CAPTURE WHAT MOVES	C
	MANE TAIWAI 1F N°6 LN.92, ZHONGSHAN 10489 TAIPEI
MANE	TAIWAN (PRO

Certificate of Analysis

MANE TAIWAN FRAGRANCES & FLAVOURS CO 1F N°6 LN.92, SEC.1, JIANGUO N. RD ZHONGSHAN DIST. 10489 TAIPEI CITY TAIWAN (PROVINCE OF CHINA)

Order / Item Delivery / Item Contact : 354431 000030 : 80407732 000030 : Jesus MARTINEZ Your Reference:

FRG23014

E05778 EUCALYPTUS GLOBULUS EO 80/85%

Inspection lot	: 40000776261
Manufacturing date Best before date	: 09 MAR 2023 : 09 MAR 2024
	Manufacturing date

Characteristic	Value	Unit	Lower Limit	Upper Limit
Offactive inspection	Conform		Conform / Not o	sonform
Visual texture inspection	Conform		Conform / Not o	
Visual color inspection	Conform		Conform / Not o	
Specific gravity 20/20*C	0,8518		0.8500	0.8580
Specific gravity 25/25°C	0,8486		0.8468	0.8548
Refractive index at 20°C	1,4746		1,4720	1,4760
Refractive index at 25°C	1,4724		1,4698	1,4738
Optical rotation at 20°C	66.36	*	57,00	70.00
Contormity GC polar	Conform	-	Conform / Not o	

Date 15 MAR 2023

Quality Control Department

"This computer generated Certificate of Analysis is valid without signature"

V MANE FILS, 620, Route de Gresse - 06620 Le Ber-sur-Loup France Tél. (33) 04 93 09 70 00 Fax (33) 04 93 43 54 35 SAS au capital de 154 000 000 4

APE 2014Z - R.C.S. Grasse B Nº 415 550 284 T.V.A FR 74415550284

AED FRocoooitis EORI FRatssoz8400018

Batch Ordered Qty Xelivered Qty	0000961627	Inspection lot Manufacturing date Best before date	:40000776255 :09 MAR 2023 :09 MAR 2024
		M_0020356 BERGAMOT EO	
Order / Item Delivery / Item Contact	354431 000010 80407726 000030 Jesus MARTINEZ	Your Reference: Your code: Your description:	FRG23014 M 0020356 BERGAMOT EO
⊕ MA	NE		MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN.92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
CAPTURE WHAT MOVES			Certificate of Analysis

	value	Unit	Lower Limit Upper Limit
Offictive inspection	Conform		Conform / Not conform
Visual texture inspection	Conform	-	Conform / Not cariform
Visual color inspection	Conform	-	Conform / Not conform
Specific gravity 20/20°C	0,9820		0,9550 0,9950
Specific gravity 25/26*C	0,9788		0,9518 0,9918
Retractive index at 20°C	1,5111		1,4900 1,5200
Refractive index at 25°C	1,5089		1,4878 1,5178
	the second se		1011000

Quality Control Department

"This computer generated Certificate of Analysis is valid without signature"

V.MANE FILS SA, 600. Route de Grasse - 06690 Le Bar sur Loup France Tál. (33) 04 95 09 70 00 Fax (33) 04 93 42 54 25 SA à directoire et conseil de surveillance au ospital de 24 640 000. e APE 20142 - R.C.S Grasse B.N. 415 550 354 T.V.A FR 744/5500354 AEO FR00000185 EORI FR415550354

CAPTURE WHAT				Certificate of Analysis	
MOVES			TAIWAN FRAGRANCES & FLAVOURS CO LN.92, SEC.1, JIANGUO N. RD SSHAN DIST. TAIPEI CITY N (PROVINCE OF CHINA)		
Order / Item Delivery / Item Contact	: 354431 000030 : 80407732 000030 : Jesus MARTINEZ	Your F	deference:	FRG23014	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1)20005 RRH		
Batch	atch . 0000961633		tion lot acturing date	: 40000776261 : 09 MAR 2023	
Delivered Qty	21	Best b	efore date	: 09 MAR 2024	
Characteristic	Value	Unit	Lower Limit	Upper Limit	
Offactive inspection	Conform		Conform / Not	conform	
/isual texture inspection	Conform		Conform / Not		
/isual color inspection	Conform		Conform / Not	conform	
ipecific gravity 20/2010	0,8518		0,8500	0,8580	
specific gravity 25/25°C	0,8486		0,8468	0,8548	
tefractive index at 20°C	1,4746		1,4720	1,4760	
Refractive index at 25°C	1,4724		1,4698	1,4738	
Optical rotation at 20°C Contormity GC polar	66,36 Conform		57,00	70,00	
remonitative on polar	Contorm		Conform / Not	l conform	

Quality Control Department

"This computer generaled Certificate of Analysis is valid without signature"

V MANE FILS, 620, Route de Gresse - 06620 Le Ber-eur-Loup France Tél. (33) 04 93 09 70 00 Fax (33) 04 93 42 54 25 SAS au capital de 154 000 000 K APE 2014Z - RIC S Gresse B IN 415 550 284 T.V.A FR 74415350284

AED FRoccooks EORI FRatssoz8400010

CAPTURE WHAT MOVES	IE		1F N* ZHON 10489	Certificate of Analysis E TAIWAN FRAGRANCES & FLAVOURS CO 8 LN.92, SEC.1, JIANGUO N. RD NGSHAN DIST. TAIPEI CITY AN (PROVINCE OF CHINA)
Order / Item Delivery / Item Contact	: 354431 000150 : 80407770 000030 : Jesus MARTINEZ	Your F	Reference:	FRG23014
			53845 TREE	
Batch Delivered Qty	:0000961671	Manuf	ction lot lacturing date refore date	40000776299 09 MAR 2023 09 MAR 2024
Characteristic	Value	Unit	Lower Limit	Upper Limit
Offactive inspection Visual texture inspection Visual color inspection Specific gravity 20/20°C Specific gravity 25/25°C	Conform Conform Conform 0,8687 0,8655	:	Conform / Not Conform / Not Conform / Not 0,8540 0,8508	conform

Refractive index at 20°C

Refractive index at 25°C

Quality Control Department

1,4740

1,4718

"This computer generated Certificate of Analysis is valid without signature"

1,4540

1,4518

1,4636

1,4614

V MANE FE.S. 600, Route de Grasse - 06620 Le Banson-Loup France Táil (33) de 95.09.70.00 Fax (33) de 95.42 5e 25 SAS au capital de 15a.000.000 e APE 2014Z - R.C.S Grasse B H1 4/5 550 264 T.V.A FR 744/35550264 AEO FRococcités - EOR FR45555036e00013

CAPTURE WHAT MOVES	IE		1F N*6 ZHON 10489	Certificate of Analysis MANE TAIWAN FRAGRANCES & FLAVOURS CO 1F N°8 LN.92, SEC.1, JIANGUO N. RD ZHONGSHAN DIST. 10489 TAIPEI CITY TAIWAN (PROVINCE OF CHINA)		
Order / Item Delivery / Item Contact	: 354431 000150 : 80407770 000030 : Jesus MARTINEZ	Your F	Reference:	FRG23014		
			21725 ERMINT			
Batch Delivered Qty	:0000961671	Manuf	tion lot acturing date efore date	40000776299 09 MAR 2023 09 MAR 2024		
Characteristic	Value	Unit	Lower Limit	Upper Limit		
Mactive inspection Asual toxture inspection Asual color inspection Specific gravity 20/20°C Specific gravity 25/25°C	Conform Conform Conform 0,8687 0,8655		Conform / Not Conform / Not Conform / Not 0,8540 0,8508	conform		

Refractive index at 20°C

Refractive index at 25°C

Quality Control Department

1,4740

1.4718

"This computer generated Certificate of Analysis is valid without signature"

1,4540

1,4518

1,4636

1,4614

V.MANE FE.S. 600, Boute de Grasse - 06620 Le Bansur-Loup France Tél. (33) de 95.09.70 do Fax (33) de 93.42.54.25 SAS eu capital de 154.000.000 e APE 20142 - R.C.S Grasse B H- 4/5.550 364 T.V.A FR 74415550284 AEO FRocopotés, EOR FR4555034e00013 CAPTURE WHAT MOVES

MANE

MANE (SHANGHAI) Fragrances and Flavours Co., Ltd No. 612, Shan Lian Road, Shanghai China 優氏(上海)壽博斋料有陽公司 上海市宝山城市工业感叹山远路612号

分析报告

CERTIFICATE OF ANALYSIS

E.9426443

CHAMOMILLE FRAGRANCE

Lot Na/注户社局: 32319277

Quantity/生产数量:

Production Date/ 生产日期 June 07, 2023

Best Before/最佳使用面积

June 07, 2024

ORGANOLEPTIC DATA / 感官測定

Result / 结果

Taste/Odour: Conform 意味/奇气 会地 Color and Appearance: Conform

色厚胶状态: 合语

Standard / 就在 Conform to the target 符合院—即号刘国品

Conform to the target

符合時一位時対側品

PHYSICO-CHEMICAL DATA / 連化指标

	Result / 估限	Standard / 62/8
Refractive Index at 20°C/WARD(20°C)	1.4094	1.4040 - 1.4140
Specific Gravity 20/28*C/REPART(20/29*C)	0.9591	0.9500 - 0.9660



CAPTURE WHAT MOVES

MANE (SHANGHAI) Fragrances and Flavours Co., Ltd. No. 612, Shan Lian Road, Shanghai China 委氏(上海)香糖香料有粉公司 上海市宝山城市工业园区山压器612号

MANE

分析报告

CERTIFICATE OF ANALYSIS

W1429547

CLARY SAGE FRAGRANCE

Lot No/生产性得: 32319266

Quantity/生产数量

Production Date/ 12/71118:

Best Before/基位使利润的计

June 07, 2024

June 07, 2023

ORGANOLEPTIC DATA / 語盲測定

Result / 结果

会福

Taste/Odour: Conform 香味/香气 白信 Color and Appearance: Conform 西深和此志

Standard / 初度 Conform to the target 符合同一型号对网队

Conform to the target 符合词一型号对树品

PHYSICO-CHEMICAL DATA / 退化部标

		Result / 结果	Standard / 初進
Refeactive index at 20°C/3FR/REE(20°C)	Ξ.	1.4607	1.4558 - 1.4650
Specific Gravity 20/20°C/補別書版(20/20°C)	12	0.9107	0.9070 - 0.9170



CAPTURE WHAT MOVES			Certificate of Analysis
			MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN.92, SEC. 1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
*MA	NE		
Order / Item Delivery / Item	: 354431 000130 : 80407764 000030	Your Reference: Your code: Your description:	FRG23014 E_9514234 CYPRESS
Contact	: Jesus MARTINEZ	Constant States	
		E_9514234 CYPRESS	
Batch Ordered Qty Delivered Qty	0000961665	Inspection lot Manufacturing date Best before date	- 40000776293 09 MAR 2023 09 MAR 2024

Characteristic	Value	Unit	Lower Limit	Upper Limit
Offactive inspection	Conform	-	Conform / Not o	onform
Visual texture inspection	Conform		Conform / Not o	
Visual color inspection	Conform		Conform / Not o	
Specific gravity 20/20*C	0.8655		0,8560	0.8860
Specific gravity 25/25*C	0.8623		0,8528	0.8828
Refractive index at 20°C	1,4684		1,4590	1,4790
Refroctive index at 25°C	1,4662		1,4568	1,4768
Optical rotation at 20°C	30,88		17,00	37,00

Quality Control Department

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V MANE FILS SA, 820. Route de Grasse - obázo Le Bar sur Loup France Tél. (32) 04 93 09 70 00 Fax (33) 04 93 42 54 25 SA à diractoire et conseil de surveillonce au capital de 24 640 000 e APE 2014Z - R.C.S. Grasse B IN 415 550 264 T.V.A FR 74415550354 AEO FRoopportits EORI FR415550264

CAPTURE WHAT MOVES			Certificate of Analysis
			MANE TAIWAN 1F N°8 LN.92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
⊕ MA	NE		
Order / Item Delivery / Item	:354431 000110 :80407758 000030	Your Reference: Your code: Your description:	FRG23014 E_9514236
Contact	Jesus MARTINEZ	Tour description.	FRANKINCENSE
		E_9514236	
		FRANKINCENSE	
Batch Optored Ohy	.0000961659	Inspection lat	:40000776287
Ordered Qty Delivered Qty	1	Manufacturing date Best before date	: 09 MAR 2023 09 MAR 2024

Characteristic	Value	Unit	Lower Limit	Upper Limit
Offactive inspection	Conform		Conform / Not o	motorm
Visual texture inspection	Conform	-	Conform / Not o	
Visual color inspection	Conform		Conform / Not c	
Specific gravity 20/20°C	0,8729		0.8530	0.8830
Specific gravity 25/25°C	0.8697		0.8498	0.8798
Refractive index at 20°C	1,4750		1,4620	1,4820
Refractive index at 25°C	1,4728		1,4598	1,4798
Optical rotation at 20°C	-8,16		-23,00	-3.00

Quality Control Department

V.MANE FILS SA, 620. Route de Grasse - 06620 Le Bensun Loup France Tél. (33) 04 93 09 70 00 Fee (33) 04 93 42 54 25 SA à directoire et conseil de surveillance au capital de 24 540 000 e APE 20142 - R.C.S Grasse B NH 415 550 284 T.V.A FR 74415550284 AEO FRococcides EORI FR415550284

MANE

MANE 620, route de Grasse 06620 LE BAR SUR LOUP FRANCE TEL (33) 04.93.09.70.00 FAX (33) 04.93.42.54.25 Siret 415 550 284 00012

Customer :	MANE TAIWAN
Product Reference :	GERANIUM * E_9915763
Batch number :	5741096
Quantity :	
Manufacturing date :	12/06/2023
Shelf life :	12/06/2024
Purchase Order Number :	FRG23022
Customer Remark :	1
Product Remark :	/

Organoleptical data :

Odor / Taste ;	COMPARABLE TO STANDARD
Appearance :	COMPARABLE TO STANDARD

Physical-Chemical Data :

ANALYSIS	RESULT	SPECIFICATION
Specific gravity 20*C/20*C	0.8966	0.8920/0.8990
Refractive index 20°C	1,4679	1.4620/1.4720
Optical rotation 20*C	-9.20"	-18*/-3*

CERTIFICATE OF ANALYSIS

DATE: 14/06/2023

PAGE : 1/1

CAPTURE WHAT MOVES	E		1F N°6 ZHON 10489	Certificate of Ana TAIWAN FRAGRANCES & FLAVO LN.92, SEC.1, JIANGUO N. RD 3SHAN DIST. TAIPEI CITY N (PROVINCE OF CHINA)	
Order / Item Delivery / Item Contact	354431 000090 80407752 000030 Jesus MARTINEZ	Your F	teference:	FRG23014	
		MO	020345		
			FRUIT EO		
Batch	:0000961653	Inspection lot Manufacturing date		40000776281	
Delivered Qty	4		efore date	: 09 MAR 2024	
Characteristic	Value	Unit	Lower Limit	Upper Limit	
Ottactive inspection	Conform		Conform / Not	conform	
Visual texture inspection	Conform		Conform / Not		
Visual color inspection	Conform	-	Conform / Not		
Specific gravity 20/20°C	0,8487		0,8450	0,8650	
Specific gravity 25/25°C	0,8455		0,8418	0,8618	
Refractive index at 20°C	1,4748		1,4650	1,4850	
Refractive index at 25°C	1,4726		1,4628	1,4828	
Optical rotation at 20°C	96,40		90,00	98,00	
Conformity GC polar	Conform		Conform / Not (conform	

Quality Control Department

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V. MANE FILS, 630. Route de Grasse - 06630 Le Bansur-Loup France Tél. (33) 04 93 09 70 00 Fax (33) 04 93 43 54 25 545 au capital de 154 000 000 €

APE 2014Z - R.C.S. Grasse B N* 415 550 284 T.V.A FR 744/5550284

AEO FRoocoortes EORI FRanssouteau

WE CAPTURE WHAT MOVES			Certificate of Analysis
			MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN.92, SEC. 1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
* MA	NE		
Order / Item Delivery / Item	: 358726 000020 : 80418462 000010	Your Reference: Your code:	FRG23019 M_0020655
Contact	Jesus MARTINEZ	Your description:	LAVENDER
		M_0020655	
		LAVENDER	
Batch	:0000986825	Inspection lot	:890000246023
Ordered Qty Delivered Qty	3 c	Manufacturing date Best before date	:15 MAY 2023 :15 MAY 2024
			· · · · · · · · · · · · · · · · · · ·

Characteristic	Value	Unit	Lower Limit	Upper Limit
Olfactive inspection	Conform		Conform / Not a	conform
Visual texture inspection	Conform		Conform / Not o	
Visual color inspection	Conform	- 2	Conform / Not of	
Specific gravity 20/20°C	0,8809		0.8780	0.8920
Specific gravity 25/25°C	0,8777		0,8750	0.8890
Refractive index at 20°C	1,4601		1,4550	1,4660
Refractive index at 25°C	1,4579		1,4528	1,4638
Optical rotation at 20°C	-8,52		-11,00	-7,00
Acid index	0.0		0.0	1,0
Conformity GC polar	Conform	140 C	Conform / Not o	
Linelyl ecetate (GC)	29,24	%	29.00	41,00
Camphor (GC)	0.59	%	0,10	0,60
Caryophyllene bets (GC)	3,36	% %	0,00	5,00
Limonene (GC)	0.43	%	0,10	0,70
Linalpol (GC)	33,91	%	21,00	34,00
Terpinen 1 ol 4 (GC)	3,83	%	1,00	6.00

Date : 19 MAY 2023

Quality Control Department

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V MANE FILS SA, 650. Route de Grasse - 06620 Le Bar-sur Loup France Tál. (33) 04 93 09 70 00 Fax (33) 04 93 43 54 25 SA à directoire et conseil de surveillance au capital de 34 440 000 4 APE 20142 - R.C.S Grasse B N° 415 550 354 T.V.A FR 74415550284 AEO FR00000185 EORI FR415550384

CAPTURE WHAT MOVES				Certificate o	f Analysis	
MOVES MAN	E		1F Nº 2HON 10489	TAIWAN FRAGRANCES & 6 LN.92, SEC.1, JIANGUO N IGSHAN DIST. TAIPEI CITY AN (PROVINCE OF CHINA)	INGUO N. RD	
Order / Item Delivery / Item Contact	: 354431 000030 : 80407732 000030 - Jesus MARTINEZ	Your F	Reference:	FRG23014		
			0064278 MON			
Batch	.0000961633	Inspection lot		: 40000776261		
Delivered Qty	1		acturing date efore date	: 09 MAR 2023 : 09 MAR 2024		
Characteristic	Value	Unit	Lower Limit	Upper Limit		
Mactive inspection	Conform		Conform / Not	conform		
Isual texture inspection	Conform		Conform / Not	conform		
Isual color inspection	Conform		Conform / Not	conform		
specific gravity 20/20°C	0,8518		0,8500	0,8580		
pecific gravity 25/25°C	0,8486		0,8468	0,8548		
tetractive index at 20°C	1,4746		1,4720	1,4760		

Refractive index at 25*C

Optical rotation at 20°C

Conformity GC polar

Quality Control Department

1,4738

70,00

"This computer generated Certificate of Analysis is valid without signature"

1,4698

Conform / Not conform

57,00

V.MANE FILS, 620, Route de Grasse - 06620 Le Bar-sur-Lougi France Tél. (33) 04 05 00 70 00 Fax (33) 04 03 42 54 25 5A5 au capital de 154 000 000 6

APE 2014Z - R.C.S. Grasse B Nº 415 550 284 T.V.A FR 76415550284

1,4724

66,36

Conform

AEO FRODODORIS EORI FRAISSSO28400012

Offactive inspection Visual texture inspection Visual color impection	Conform Conform Conform	÷	Conform / N Conform / N Conform / N	ot conform
Characteristic	Value	Unit	Lower Limit	Upper Limit
Batch Ordered Qty Delivered Qty	0000986837	Manuf	tion lot acturing date efore date	:890000246035 :15 MAY 2023 :15 MAY 2024
			020225 GE N.1681	
Contact	Jesus MARTINEZ	Your description:		ORANGE N.1681
Order / Item Delivery / Item	358726 000060 80418474 000010	Your o		FRG23019 M_0020225
@MAN	E			MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN.92, SEC. 1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
WE CAPTURE WHAT MOVES				Certificate of Analysis

PLAN , AD BEAU DOUGH	
Date : 19 MAY 2023	

a* (COLORIMETRY L*a*b*)

b* (COLORIMETRY L'a*b*)

Specific gravity 20/20*C

Specific gravity 25/25°C

Refractive index at 20°C

Refractive index at 25°C

Optical rotation at 29°C

Conformity GC polar

L* (COLORIMETRY)

Quality Control Department

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0,8471

0,8439

1,4732

1,4710

98,24

82,10

123,94

0.80

Conform

Conform / Not conform

0,8500

0,8470

1,4760

1,4740

99,00

88,00

13,00

133,00

0,8420

0,8390

1,4700

1,4680

94,00

79,00

-8,00

120,00

V MANE FILS SA, 630, Boute de Gresse - 06620 Le Ber aur-Loup France Tél. (33) 04 93 09 70 00 Fax (35) 04 93 42 54 25 5A à directoire et conseil de surveillance au capital de 24 640 600 ε APE 2014Z - R.C.S Grasse 8 Nº 415 550 384 T.V.A FR 744/8550284 AEO FRoopoolity EORI FRaissoutha

CAPTURE WHAT MOVES 10489 TAIPEI CITY TAIWAN * MANE

Certificate of Analysis

MANE TAIWAN FRAGRANCES & FLAVOU 1F N*6 LN.92, SEC.1, JIANGUO N. RD

Order / Item Delivery / Item Contact

358726 000120 80418492 000010 Jesus MARTINEZ

Your Reference:

FRG23019

M 0020632 PETITGRAIN BIGARADE PARAGUAY

Batch	0000986855	Inspection lot	: 890000246053
Ordered Qty		Manufacturing date	. 15 MAY 2023
Delivered Qty		Best before date	: 15 MAY 2024

Characteristic	Value	Unit	Lower Limit	Upper Limit	
Offective inspection	Conform		Conform / Not o	onform	_
Viewal texture inspection	Conform	-	Conform / Not o		
Visual color inspection	Conform	+	Conform / Not o		
Specific gravity 20/20*C	0.8904		0.8860	0.8930	
Specific gravity 25/25°C	0.8872		0,8828	0.8898	
Refractive index at 20°C	1,4574		1,4540	1,4610	
Refractive index at 25°C	1,4552		1,4518	1,4588	
Oplical rotation at 20°C	-3,64		-6.00	-1.00	
Conformity GC polar	Conform		Conform / Not c		

Date : 19 MAY 2023

Quality Control Department

"This computer generated Certificate of Analysis is valid without signature"

V.MANE FILS SA, 650. Route de Grasse - 06620 Le Ber-sur-Loup France Tél. (35) DA 93 00 70 00 Fax (35) 04 93 42 54 25 SA à directoire et conseil de surveillance au capital de 3a 640 000 e APE 2014Z - R.C.S Grasse B Nº 415 550 284 T.V.A FR 744/5550284 AED FROODOOI85 EORI FR415550384

WE CAPTURE WHAT MOVES **Certificate of Analysis** MANE TAIWAN FRAGRANCES & FLAVOU 1F Nº8 LN.92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN MANE Order / Item :358726 000140 Your Reference: FRG23019 Delivery / Item :80418498 000010 Contact Jesus MARTINEZ M 0040010

ROMAN CHAMOMILE

Batch Ordered Qty Delivered Qty	:0000986861 :	Inspection lot Manufacturing date Best before date	:890000246059 :15 MAY 2023 :15 MAY 2024

Characteristic	Value	Unit	Lower Limit Upper Limit	
Offactive inspection	Conform		Conform / Not conform	
Visual texture inspection	Conform	-	Conform / Not conform	
Visual color inspection	Conform		Conform / Not conform	
Specific gravity 29/20°C	0,9077		0,9000 0,9100	
Specific gravity 25/25°C	0,9045		0,8970 0.9070	
Refractive index at 20*C	1,4417		1,4380 1,4450	
Refractive index at 25°C	1,4395		1,4358 1,4428	
Optical rotation at 20*C	-1,40		-2,00 2,00	
Contonnity GC polar	Conform	1.	Conform / Not conform	

Date : 19 MAY 2023

Quality Control Department

"This computer generaled Certificate of Analysis is valid without signature"

V.MANE FILS SA, 630. Route de Grasse - 06620 La Bansur-Loup France Tél. (33) 04 93 09 70 00 Fax (33) 04 93 42 54 25 SA à directoire et conseil de surveillance au capital de 34 640 000 e APE 20142 - R.C.S Grasse B Nº 415 550 264 T.V.A FR 74475550284 AEO FR00000185 EORI FR415550284

WE CAPTURE WHAT MOVES	VE		Certificate of Analysis MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN 92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
Order / Item Delivery / Item Contact	354431 000010 80407726 000030 Jesus MARTINEZ	Your Reference: Your code: Your description:	FRG23014 M_0040083 ROSE TURKEY
		M_0040083 ROSE TURKEY	
Batch Ordered Qty Delivered Qty	:0000961627 :	Inspection lot Manufacturing date Best before date	:40000776255 :09 MAR 2023 :09 MAR 2024
Characteristic	Value	Unit Louver Lim	a Description

Value	Unit	Lower Limit	Upper Limit
Conform		Conform / Not e	maten
Conform			
Conform			
0,9820		Carl and a state of the state o	0.9950
0,9788			0.9918
1,5111			1,5200
1,5089		1,4878	1,5178
	Conform Conform Conform 0,9820 0,9788 1,5111	Conform - Conform - Conform - 0,9820 0,9788 1,5111	Conform - Conform / Not of Conform / Not of Conform Conform - Conform / Not of Conf

Quality Control Department

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V MANE FILS SA, 630. Route de Grasse - odéoo Le Banwin-Loup France Tél. (33) 04 v3 09 70 00 Fee (33) 04 93 42 54 25 SA à directoire et conseil de surveillance au capital de 24 640 000 ¢ APE 2014Z - R.C.S Grasse B N° 415 550 264 T.V.A FR 74455550364 AEO FRoudood5 EORI FRat5550264

Offactive inspection	Conform		Conform / No	t oneloou
Characteristic	Value	Unit	Lower Limit	Upper Limit
Batch Ordered Qty Delivered Qty	0000986831	M_002 ROSEN Inspectio Manufact Best befo	NARY n lot luring date	890000246029 15 MAY 2023 15 MAY 2024
Order / Item Delivery / Item Contact	358726 000040 80418468 000010 Jesus MARTINEZ	Your Ref Your cod Your des	ie:	FRG23019 M_0020246 ROSEMARY
CAPTURE WHAT MOVES	Æ			Certificate of Analysis MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN.92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAÌWAN

Offactive inspection	Conform	Conform / Not conform	
Visual texture inspection	Conform	Conform / Not conform	
Visual color inspection	Conform	 Conform / Not conform	
Specific gravity 20/20°C	0,9106	0,9070 0,9160	
Specific gravity 25/25°C	0,9074	0.9040 0.9130	
Refractive index at 20°C	1,4663	1,4640 1,4700	
Refractive index at 25°C	1,4641	1,4618 1,4678	
Optical rotation at 20°C	0,08	-3,00 4,00	
Conformity GC polar	Conform	 Conform / Not conform	

Date : 19 MAY 2023

Quality Control Department

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V MANE FILS SA, 600. Route de Grasse - obisto Le Bersur-Loup France Tél. (33) 04 93 09 70 00 Fax (33) 04 93 42 54 25

SA è directoire et conseil de surveillance au capital de 24 640 000 K

APE 1014Z - R.C.S Grasse 8 Nº 415 550 284 T.V.A FR 74415550284

AEO FRoococids EORI FRatsoscolla

CAPTURE WHAT MOVES			1F N°6 ZHÓN	Certificate of Analysis TAIWAN FRAGRANCES & FLAVOURS CO LN.92, SEC.1, JIANGUO N. RD GSHAN DIST. TAIPEL CITY
& MAN	E			AN (PROVINCE OF CHINA)
Order / Item Delivery / Item Contact	354431 000150 80407770 000030 Jesus MARTINEZ	21172925	Reference:	FRG23014
			14253/01 EWOOD	
Batch Delivered Qty	0000961671	Manuf	ction lot acturing date refore date	40000776299 09 MAR 2023 09 MAR 2024
Characteristic	Value	Unit	Lower Limit	Upper Limit
Offective Inspection	Conform	n .	Conform / Not	conform
Visual texture inspection	Conform		Conform / Not	conform
Visual color inspection	Conform	1 -	Conform / Not	conform
Specific gravity 20/20°C	0,8687		0,8540	0,8840
Specific gravity 25/25*C	0,8655		0,8508	0,8808
afraction induce of 2077"	1 4630		4 42 40	4 477 475

Refractive index at 20°C

Refractive index at 25°C

Quality Control Department

1,4740

1,4718

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1,4540

1,4518

V.MANE FILS, 630, Route de Grasse - 06620 Le Bansun-Loup France Tél. (53) 04 93 00 70 00 Fas (53) 04 93 42 54 25 SAS au capital de 154 000 000 €

APE 2014Z - R.C.5 Grasse B Nº 415 550 284 T.V.A FR 74415550284

1,4636

1,4614

AEO FRODODORS EORI FRA1555028400012

CAPTURE WHAT MOVES			Certificate of Analysis
			MANE TAIWAN 1F N°8 LN.92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAIWAN
@ MA	NE		
Order / Item Delivery / Item	358726 000100 80418486 000010	Your Reference:	FRG23019
	: Jesus MARTINEZ		
	: Jesus MARTINEZ	E 9400507	
	: Jesus MARTINEZ	E_9400507 SANDALWOOD	
Satch	: Jesus MARTINEZ		10000198736

Characteristic	Value	Unit	Lower Limit Upper Limit
Offactive inspection	Conform	-	Conform / Not conform
Visual texture inspection	Conform		Conform / Not conform
Visual color inspection	Conform	*	Conform / Not conform
Specific gravity 20/20*C	0.9771		0,9650 0,9850
Specific gravity 25/25*C	0.9739		0,9620 0,9820
Refractive index at 20°C	1,5059		1,5000 1,5100
Refrective index at 25°C	1,5037		1,4978 1,5078
Optical rotation at 20°C	-19,56		-22.00 -8.00
Conformity GC polar	Conform		Conform / Not conform

Date 19 MAY 2023

Quality Control Department

V.MANE FILS SA, 620. Route de Grasse - 06620 Le Bar-sur-Loup France Tél. (33) 04 93 09 70 00 Fax (33) 04 93 42 54 25 SA è divectoire et conseil de surveillance es capital de 24 640 000 4 APE 20142 - R.C.S Grasse 8 Nº 45 550 28a T.V.A FR 74a/555038a AEO FRooppoids EORI FR4555038a

7			Certificate of Analysis
2			MANE TAIWAN FRAGRANCES & FLAVOU 1F N°6 LN.92, SEC.1, JIANGUO N. RD 10489 TAIPEI CITY TAÏWAN
:358726 000080 :80418480 000010	Your o	ode:	FRG23019 M_0053863
: Jesus MARTINEZ	Your description:		VETYVER ROOT
:0000986843 : :	Manuf	acturing date	890000246041 15 MAY 2023 15 MAY 2024
Value	Unit	Lower Limit	Upper Limit
Conform Conform Conform	- Conform / N		
	: 80418480 000010 : Jesus MARTINEZ : 00000986843 : : Value Value	:358726 000080 Your 8 :80418480 000010 Your 0 :Jesus MARTINEZ Your 0 :Jesus MARTINEZ M_0 :0000986843 Inspection : Value Unit Conform - Conform -	:358726 000080 Your Reference: Your code: Your description: :Jesus MARTINEZ M_0053863 VETYVER ROOT :0000986843 Inspection lot Manufacturing date Best before date Value Unit Lower Limit Conform - Conform / N Conform

Date : 19 MAY 2023

Quality Control Department

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V.MANE FILS SA, 650. Route de Grasse - 06620 La Bar sur Loup France Tél. (33) 04 73 09 70 00 Fax (33) 04 73 43 54 25 SA à directoire et conteil de surveillance au capital de 54 640 000 4 APE 2014Z - R.C.S Grasse B N° 415 550 254 T.V.A FR 74415550284 AEO FR0000095 EORI FR415550284 CAPTURE WHAT MOVES

MANE (SHANGHAI) Fragrances and Flavours Co., Ltd. No. 612, Shan Lian Road, Shenghai China 菱氏(上周)香槽香料有限公司

上海市宝山城市工业园区山连路612号

MANE

分析报告

CERTIFICATE OF ANALYSIS

E.9315226

YLANG YLANG FRAGRANCE

Lot No/法产批号: \$2306729

Quantity/主产哲堂:

Production Date/生产日料: March 09, 2023

Best Before/最佳使用证明: March 09, 2024

ORGANOLEPTIC DATA / 感言測定

Result / 结果

Tasts/Odour: Conform 春日/香門: 白柏 Color and Appearance: Conform 白澤和武士: 白相

Conform to the larget 符合同一型号动用后 Conform to the target

Standard / 标准

符合同一型号对限品

PHYSICO-CHEMICAL DATA / 連化指标

		Result / 结果	Standard / 标准
Refractive index at 20°C/研究指数(20°C)	\$	1.4954	1,4950 - 1.5050
Specific Gravity 20/20*C/開封建度(20/20*C)	÷,	0.9765	0.9700 - 0.9600





Product : BERGAMOT EO M 0020356

PRODUCT AND COMPANY IDENTIFICATION 1

1.1 Product identifier

BERGAMOT EO M_0020356

Your reference GCAS 91881146 CAS-No. 8007-75-8 5

1.2 <u>Relevant identified uses of the substance or mixture and uses advised against</u>

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier : V. MANE Fils Address : 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE Telephone : (33).4.93.09.70.00 (Only during office hours) e-mail : FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor. **Health Dangers** Acute Tox. 5 Oral: May be harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Irrit. 2A: Causes serious eye irritation. **Environmental hazards**

Aquatic Acute 1: Very toxic to aquatic life. Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects.



Product : BERGAMOT EO M_0020356

2.2 Label elements

Pictogram



Signal Word

DANGER

Hazard Statements

H226: Flammable liquid and vapor.

H303: May be harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378: In case of fire: Use water for extinction.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

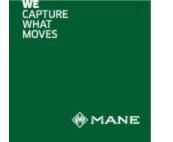
P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

Issue date 08 NOV 2019

Version 1 Model 1



Product : BERGAMOT EO M_0020356

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8007-75-8

Component	CAS	Concentration limit	CLASSIFICATION
LIMONENES	138-86-3	>= 20 % - 50 %	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALYL ACETATE	115-95-7	>= 20 % - 50 %	Flam. Liq. 4, H227 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2B, H320
LINALOOL	78-70-6	>= 10 % - 20 %	Flam. Liq. 4, H227 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319
Beta PINENE	127-91-3	>= 5 % - 10 %	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alpha PINENE	80-56-8	>= 1 % - 5 %	Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MYRCENE	123-35-3	>= 1 % - 5 %	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
GERANYLE ACETATE	105-87-3	>= 0.1 % - 1 %	Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Issue date 08 NOV 2019

Product : M_0020356

Version 1 Model 1



Product : BERGAMOT EO M_0020356

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TERPINOLENE	586-62-9	>= 0.1 % - 1 %	Flam. Liq. 4, H227 Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
beta-OCIMENE	13877-91-3	>= 0.1 % - 1 %	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

Issue date 08 NOV 2019



Product : BERGAMOT EO M_0020356

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

Issue date 08 NOV 2019



Product : BERGAMOT EO M_0020356

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limits (OELs) values: None

8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From GREEN YELLOW to GREEN
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 60 °C (140 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.



Product : BERGAMOT EO M_0020356

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- Vapor Density: No data available.
- Specific Gravity: 0.871 / 0.883
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Issue date 08 NOV 2019



Product : BERGAMOT EO M_0020356

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Calculated)
LD50 Oral(mg/kg)	4838.9 (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
LIMONENES	138-86-3	>= 20 % - 50 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALYL ACETATE	115-95-7	>= 20 % - 50 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	>= 10 % - 20 %	> 5000	2790	> 100
			Measured	Measured	Estimated
Beta PINENE	127-91-3	>= 5 % - 10 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
GAMMA TERPINENE	99-85-4	>= 5 % - 10 %	> 5000	3850	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	>= 1 % - 5 %	> 5000	500	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
CITRAL	5392-40-5	>= 0.1 % - 1 %	2250	> 5000	> 100
			Estimated	Estimated	Estimated
GERANYLE ACETATE	105-87-3	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	>= 0.1 % - 1 %	> 5000	3850	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	>= 0.1 % - 1 %	> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
NEROL	106-25-2	>= 0.1 % - 1 %	> 5000	4500	> 100
			Estimated	Measured	Estimated
EUCALYPTOL	470-82-6	>= 0.1 % - 1 %	> 5000	2480	> 100
			Estimated	Estimated	Estimated



Product : BERGAMOT EO M_0020356

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Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) - Single Exposure	:	No data available.
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

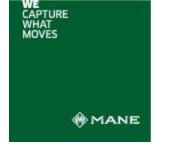
12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.

Issue date 08 NOV 2019

Version 1 Model 1



Product : BERGAMOT EO M_0020356

Toxicity Water Flea Toxicity Rat No data available.No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient)	: No data available.
Bio Concentration Factor	: No data available.
Bioaccumulative potential	: No data available.
Mobility in soil	: No data available.
Other adverse effects	: No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

UN number	: 1169
Transportation name United Nations	: EXTRACTS, AROMATIC, LIQUID
Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
Packaging group	: 111
Environmental dangers	: Yes.
IATA	
UN number	: 1169
Transportation name United Nations	: EXTRACTS, AROMATIC, LIQUID
Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
Packaging group	: 111
Environmental dangers	: Yes.
IMDG	

Issue date 08 NOV 2019



Product : BERGAMOT EO M_0020356

MANE

RID	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : P - pollutant
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H316Causes mild skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H320Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.H413May cause long lasting harmful effects to aquatic life.	H226 H227 H302 H303 H304 H313 H315	Flammable liquid and vapor. Combustible liquid. Harmful if swallowed. May be harmful if swallowed. May be fatal if swallowed and enters airways. May be harmful in contact with skin. Causes skin irritation.
H319Causes serious eye irritation.H320Causes eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H316	Causes mild skin irritation.
H320Causes eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H317	May cause an allergic skin reaction.
H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H319	Causes serious eye irritation.
H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H320	Causes eye irritation.
H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H400	Very toxic to aquatic life.
H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H401	Toxic to aquatic life.
H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.	H402	Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.	H410	Very toxic to aquatic life with long lasting effects.
	H411	Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.	H412	Harmful to aquatic life with long lasting effects.
	H413	May cause long lasting harmful effects to aquatic life.



Product : BERGAMOT EO M_0020356

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P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use water for extinction.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

Issue date 08 NOV 2019



Product : BERGAMOT EO M_0020356

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The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Issue date 08 NOV 2019



Product : CHAMOMILLE FRAGRANCE E.9426443

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

CHAMOMILLE FRAGRANCE E.9426443

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier Address	: MANE (Shanghai) Fragrances & Flavours Co : No. 612 Shan Lian Road, Baoshan Urban Industry Park- Shanghai 200444- CHINA
Telephone	: +86 21 3611 9900 (Only during office hours)
e-mail	: CN-SH.REG-SDS@mane.com

1.4 Emergency telephone number

Emergency telephone : 400-6267-911

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor.
<u>Health Dangers</u>
Skin irrit. 3: Causes mild skin irritation.
Eye Dam. 1: Causes serious eye damage.
<u>Environmental hazards</u>
Aquatic Acute 3: Harmful to aquatic life.
Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Pictogram

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Product : CHAMOMILLE FRAGRANCE E.9426443





Signal Word

DANGER

Hazard Statements

H226: Flammable liquid and vapor.

H316: Causes mild skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P273: Avoid release to the environment.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P370+P378: In case of fire: Use water for extinction.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS



Product : CHAMOMILLE FRAGRANCE E.9426443

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3.1 Substances

CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	Concentration limit	CLASSIFICATION
ETHYL LACTATE	97-64-3	>= 10 % - 20 %	Flam. Liq. 3, H226 Eye Dam. 1, H318 STOT SE 3 (RI), H335
BUTYL ACETATE	123-86-4	>= 5 % - 10 %	Flam. Liq. 3, H226 STOT SE 3 (NE), H336
METHYL 2-METHYLBUTYRATE	868-57-5	>= 1 % - 5 %	Flam. Liq. 2, H225 Skin irrit. 2, H315 Eye Irrit. 2A, H319
Alpha PINENE	80-56-8	>= 0.1 % - 1 %	Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Ingredients having an occupational exposure limit value: See section 8.

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

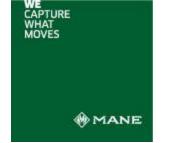
Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media



Product : CHAMOMILLE FRAGRANCE E.9426443

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 <u>Special hazards arising from the substance or mixture</u>

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 <u>Environmental precautions</u>

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene



Product : CHAMOMILLE FRAGRANCE E.9426443

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Component	CAS	Concentration limit	PC-TWA (mg/m3)
BUTYL ACETATE	123-86-4	>= 5 % - 10 %	200

8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.



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- Boiling point (°C): No data available.
- Flash point (°C): 37 °C (98.6 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.95 / 0.966
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

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Product : CHAMOMILLE FRAGRANCE E.9426443

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Calculated)
LD50 Oral(mg/kg)	> 5000 (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Calculated)

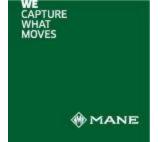
Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/I)
ETHYL LACTATE	97-64-3	>= 10 % - 20 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
BUTYL ACETATE	123-86-4	>= 5 % - 10 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
METHYL 2-METHYLBUTYRATE	868-57-5	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	>= 0.1 % - 1 %	> 5000	500	> 100
			Estimated	Estimated	Estimated
EUCALYPTOL	470-82-6	>= 0.1 % - 1 %	> 5000	2480	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation : No data available.

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Specific Target Organ - Repeated Exposure	:	No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.
Toxicity Rat	:	No data available.



Product : CHAMOMILLE FRAGRANCE E.9426443

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments

- : No data available.
- : No data available.
- None

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient) Bio Concentration Factor Bioaccumulative potential Mobility in soil Other adverse effects No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u> : 1266 **UN** number : PERFUMERY PRODUCTS Transportation name United Nations Danger class(es) for transport : Classe 3 : FLAMMABLE LIQUIDS Packaging group : 111 Environmental dangers : No. ΙΑΤΑ **UN** number : 1266 Transportation name United Nations : PERFUMERY PRODUCTS Danger class(es) for transport : Classe 3 : FLAMMABLE LIQUIDS Packaging group : 111 Environmental dangers : No. IMDG **UN** number : 1266 Transportation name United Nations : PERFUMERY PRODUCTS Danger class(es) for transport : Classe 3 : FLAMMABLE LIQUIDS

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Product : CHAMOMILLE FRAGRANCE E.9426443

: III : No. : None

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Packaging group Environmental dangers Marine polutants	
--	--

<u>RID</u>

UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers : 1266 : PERFUMERY PRODUCTS : Classe 3 : FLAMMABLE LIQUIDS : III : No.

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical advice/attention.
In case of fire: Use water for extinction.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



CLARY SAGE M_0053864

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

		CLARY SAGE M_0053864
CAS-No.	:	8016-63-5
EINECS Number	:	283-911-8
INDEX NUMBER	:	No data available.
REACH Registration No.	:	No data available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazardsNo hazard specified.Health DangersSkin irrit. 2: Causes skin irritation.Skin Sens. 1: May cause an allergic skin reaction.Eye Irrit. 2: Causes serious eye irritation.Environmental hazardsAquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

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WARNING
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains NEROL, NEROLIDOL, LIMONENES, Beta PINENE, Alpha PINENE, CITRAL, Trans-2-HEXENAL, METHYL HEPTENONE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8016-63-5

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
LINALYL ACETATE	115-95-7		[50 % , 80 %[Skin irrit. 2, H315 Skin Sens. 1, H317
LINALOOL	78-70-6	603-235-00-2	[20 % , 50 %[Skin irrit. 2, H315



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				Skin Sens. 1B, H317 Eye Irrit. 2, H319
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[1 % , 5 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
Alpha TERPINEOL	98-55-5		[1 % , 5 %[Skin irrit. 2, H315 Eye Irrit. 2, H319
GERANYLE ACETATE	105-87-3		[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
beta-OCIMENE	13877-91-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
GERANIOL	106-24-1		[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
MYRCENE	123-35-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
NEROL	106-25-2		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
NEROLIDOL	7212-44-4		[0.1 % , 1 %[Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LIMONENES	138-86-3	601-029-00-7	[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Beta PINENE	127-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alpha PINENE	80-56-8		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRAL	5392-40-5	605-019-00-3	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Trans-2-HEXENAL	6728-26-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Acute Tox. 3 Dermale, H311 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
1-OCTEN-3-OL	3391-86-4		[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4 Inhalation, H332 Aquatic Acute 1, H400

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ſ	METHYL HEPTENONE	409-02-9	[0 % , 0.1 %[Flam. Liq. 3, H226
				Acute Tox. 4 Oral, H302 Skin irrit. 2, H315
				Skin Sens. 1A, H317
				Eye Irrit. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 <u>Special hazards arising from the substance or mixture</u>

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

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National OELs values

FRANCE: None GERMANY: None UNITED STATES: None CHINA: None INDONESIA: None

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to BROWN YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 84 °C (183.2 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.



CLARY SAGE M_0053864

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- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.892 / 0.902
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

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10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
LINALYL ACETATE	115-95-7	[50 % , 80 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[20 % , 50 %[> 5000	2790	> 100
			Measured	Measured	Estimated
(-) TRANS BETA	87-44-5	[1 % , 5 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
Alpha TERPINEOL	98-55-5	[1 % , 5 %[> 5000	4300	> 100
			Estimated	Estimated	Estimated
GERANYLE ACETATE	105-87-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
beta-OCIMENE	13877-91-3	[1 % , 5 %[> 5000	5000	> 100
			Estimated	Measured	Estimated
GERANIOL	106-24-1	[1 % , 5 %[> 5000	3600	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	[0.1 % , 1 %[> 5000	4500	> 100
			Estimated	Measured	Estimated
NEROLIDOL	7212-44-4	[0.1 % , 1 %[> 5000	> 5000	> 100
			Measured	Estimated	Estimated
Beta PINENE	127-91-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated

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LIMONENES	138-86-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[0.1 % , 1 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
CITRAL	5392-40-5	[0.1 % , 1 %[2250	> 5000	> 100
			Estimated	Estimated	Estimated
Trans-2-HEXENAL	6728-26-3	[0.1 % , 1 %[600	900	> 100
			Measured	Measured	Estimated
METHYL HEPTENONE	409-02-9	[0 % , 0.1 %[> 5000	1410	> 100
			Estimated	Measured	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single Exposure	:	No data available.
Specific Target Organ (NE) - Single Exposure	:	No data available.
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

Issue date 19 NOV 2019



CLARY SAGE M_0053864

12.1 Toxicity

Product Information

Toxicity Fish Toxicity Alga Toxicity Water Flea

- No data available.No data available.
- : No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.

Bio Concentration Factor

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

: No data available.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

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CLARY SAGE M_0053864

14 TRANSPORT INFORMATION

<u>ADR</u>

Not regulated IATA Not regulated IMDG Not regulated RID Not regulated

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

No data available.

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.



CLARY SAGE M_0053864

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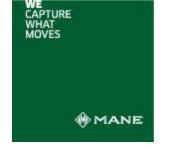
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 3 Dermale Acute Tox. 4 Inhalation Acute Tox. 4 Oral Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Aquatic Chronic 4 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2		Acute toxicity Category 3 Dermal Acute toxicity Category 4 Inhalation Acute toxicity Category 4 Oral Acute hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 2 Chronic hazards to the aquatic environment Category 3 Chronic hazards to the aquatic environment Category 4 Aspiration hazard Category 1 Serious eye damage/eye irritation Category 2
•		
Flam. Liq. 3	:	Flammable liquids Category 3



CLARY SAGE M_0053864

Skin irrit. 2 Skin Sens. 1 Skin Sens. 1A Skin Sens. 1B Skin corrosion/irritation Category 2
Skin sensitizer Category 1
Skin sensitizer Category 1A

: Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



Product : CLARY SAGE W1429547

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

CLARY SAGE W1429547

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier Address Telephone e-mail : V. MANE Fils : 620, Route de GRASSE - 06620 LE-BAR-SUR-LOUP - FRANCE : (33).4.93.09.70.00 (Only during office hours) : FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards No hazard specified. Health Dangers Skin Sens. 1: May cause an allergic skin reaction. Environmental hazards Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements



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Product : CLARY SAGE W1429547

GHS07

WARNING

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see this label).

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains 1.3-Benzodioxole-5-propanal, a-methyl-, ETHYL METHYLPHENYLGLYCIDATE, CITRAL. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8016-63-5

3.2 Mixtures

Hazardous Substances

Component	CAS	INDEX NUMBER	Concentration	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
2-tert-BUTYLCYCLOHEXYL ACETATE	88-41-5		[1%.5%[Aquatic Chronic 2, H411
2,4,6TRIMETHYL-4-PHENYL-1,3-DIOXANE	5182-36-5		(1 % , 5 %)	Acute Tox. 4 Oral, H302 Aquatic Chronic 3, H412
LIMONENES	138-86-3	601-029-00-7	[1 %, 5 %]	Flam, Liq. 3, H226 Asp. Tox. 1, H304 Skin imit. 2, H315 Skin Sans. 18, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ETHYL MALTOL	4940-11-8		[1%,5%]	Acute Tox. 4 Onel, H302
PHENETHYL ALCOHOL	60-12-8		[1%,5%]	Acute Tox. 4 Oral, H302

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Pression and the Windows of the second second				Eye Irrit, 2, H319
4-(p-HYDROXYPHENYL)-2-BUTANONE	5471-51-2		[1%,5%[Acute Tox, 4 Oral, H302
1,3-Benzodioxole-5-propanal, a-methyl-	1205-17-0		[0.1 % , 1 %[Skin Sens. 1B, H317 Aquatic Chronic 2, H411
ETHYL METHYLPHENYLGLYCIDATE	77-83-8		[0.1 % , 1 %[Skin Sens. 1, H317 Aquatic Chronic 2, H411
CITRAL	5392-40-5	605-019-00-3	[0.1 % , 1 %[Skin init. 2, H315 Skin Sens. 18, H317 Eye Init. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

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Product : CLARY SAGE W1429547

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the MSDS for Personal Protective Equipment. For waste disposal, see section 13 of the MSDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in a cool, well-ventilated place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

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Product : CLARY SAGE W1429547

Occupational exposure limits (OEL)

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
LIMONENES	138-86-3	[1%,5%[GERMANY: 28 FRANCE: None INDONESIA: None UNITED STATES: 30 (AIHA)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: LIGHT YELLOW
- Final Color: No data available.
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 87 °C (188.6 °F)
- Evaporation Rate: No data available.
- · Flammability (solid, gas): No data available.
- · Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 1.014 / 1.024

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Product : CLARY SAGE W1429547

- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. ("C): No data available.
- Decomposition temperature (*C): No data available.
- Viscosity: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

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Product : CLARY SAGE W1429547

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
2,4,6TRIMETHYL-4-PHENYL-1,3- DIOXANE	5182-36-5	[1 % . 5 %[> 5000 Estimated	1200 Estimated	> 100 Estimated
LIMONENES	138-86-3	[1%,5%]	> 5000 Estimatod	> 5000 Estimated	> 100 Estimated
ETHYL MALTOL	4940-11-8	[1%,5%(> 5000 Estimated	500 Estimated	> 100 Estimated
4-(p-HYDROXYPHENYL)-2- BUTANONE	5471-51-2	[1 % , 5 %[> 5000 Estimated	1400 Estimated	> 100 Estimated
PHENETHYL ALCOHOL	60-12-8	[1 % , 5 %[2500 Estimated	1610 Estimated	> 100 Estimated
1,3-Benzodioxole-5-propanal, a- methyl-	1205-17-0	[0.1 % , 1 %]	> 5000 Estimated	3550 Estimated	> 100 Estimated
ETHYL METHYLPHENYLGLYCIDATE	77-83-8	[0,1%,1%]	> 5000 Estimated	> 5000 Estimated	> 100 Estimated
CITRAL	5392-40-5	[0.1%, 1%]	2250 Estimated	> 5000 Estimated	> 100 Estimated

Skin corrosion/irritation	1	No data available.
Specific Target Organ - Repeated	-	No data available.
Exposure		
Respiratory Sensitization		No data available.
Reproductive toxicity	1	No data available.
Germ cell mutagenicity	-	No data available.
Serious eye damage/irritation	- 82	No data available.
Skin Sensitization	12	No data available.
Aspiration Hazard		No data available.
Specific Target Organ - Single	1	No data available.
Exposure		
Specific Target Organ (NE) -	-	No data available.
Single Exposure		
Cancerogenicity	3	No data available.
	- 22.5	

11.2 Information on likely routes of exposure

No data available.

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Product : CLARY SAGE W1429547

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

 Toxicity Fish
 No data available.

 Toxicity Alga
 No data available.

 Toxicity Daphnia
 No data available.

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments No data available. No data available. None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)

Bio Concentration Factor

: No data available.

: No data available.

12.4 Mobility in soil

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Product : CLARY SAGE W1429547

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

ADR Not regulated IATA Not regulated IMDG Not regulated RID Not regulated

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or</u> mixture

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Product : W1429547

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Product : CLARY SAGE W1429547

Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
oxydipropanol	01-2119456811-38-XXXX
Orange, sweet, ext.	01-2119493353-35-xxxx
cis-2-tert-butylcyclohexyl acetate	01-2119970713-33-XXXX
eaction products of (2,2,3-trimethylcyclopent-3-en-1-yl)acetaldehyde and butan-2-one, hydrogenated	01-2119975588-15-XXXX
Anisaldehyde	01-2119977101-43-XXXX

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

P212

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service

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10/11



Product : CLARY SAGE W1429547

CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

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Issue date 14 NOV 2016

Version 1 Model 7 Format date: 17 JUN 2016 Product : 447187



CYPRESS E_9514234

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

CYPRESS E_9514234

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier Address Telephone e-mail

: V. MANE Fils : 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE : (33).4.93.09.70.00 (Only during office hours) : FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

[x] 2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor. Health Dangers Acute Tox. 4 Oral: Harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Environmental hazards Aquatic Acute 1: Very toxic to aquatic life. Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Issue date 20 SEP 2018



DANGER

H226: Flammable liquid and vapor.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H410: Very toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth. P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains (-) TRANS BETA CARYOPHYLLENE, LINALOOL, METHYL HEPTENONE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None

Other information: None

For a complete list of references and phrases mentioned in this chapter, see chapter 16.



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[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
Alpha PINENE	80-56-8		[80 % , 100 %]	Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DELTA 3 CARENE	13466-78-9		[5 % , 10 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CEDROL	77-53-2		[1 % , 5 %[Aquatic Chronic 2, H411
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Beta PINENE	127-91-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MYRCENE	123-35-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
CAMPHENE	79-92-5		[1 % , 5 %[Flam. Sol. 2, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TERPINOLENE	586-62-9		[1 % , 5 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317
LINALOOL	78-70-6	603-235-00-2	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319



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alpha CEDRENE	469-61-4	[0.1 % , 1 %[Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
METHYL HEPTENONE	409-02-9	[0 % , 0.1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

[x] 4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

[x] 5 FIRE-FIGHTING MEASURES

5.1 <u>Suitable extinguishing media</u>

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.



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[x] 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

[x] 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

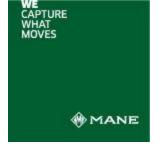
7.3 Specific end use(s)

No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits



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National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
Alpha PINENE	80-56-8	[80 % , 100 %]	CHINA: None GERMANY: None FRANCE: None INDONESIA: None UNITED STATES: 20 (ACGIH)
DELTA 3 CARENE	13466-78-9	[5 % , 10 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None UNITED STATES: 20 (ACGIH)
LIMONENES	138-86-3	[1 % , 5 %[CHINA: None GERMANY: 28 FRANCE: None INDONESIA: None UNITED STATES: 30 (AIHA)
Beta PINENE	127-91-3	[1 % , 5 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None UNITED STATES: 20 (ACGIH)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From YELLOW to ORANGE
- Odor: Characteristic



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- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 37 °C (98.6 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.856 / 0.886
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

[x] 10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.



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10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	584.68 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
Alpha PINENE	80-56-8	[80 % , 100 %]	> 5000	500	> 100
			Estimated	Estimated	Estimated
DELTA 3 CARENE	13466-78-9	[5 % , 10 %[> 5000	4800	> 100
			Estimated	Measured	Estimated
LIMONENES	138-86-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[1 % , 5 %[> 5000	> 5000	> 100



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			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	[1 % , 5 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	[0.1 % , 1 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[0.1 % , 1 %[> 5000	2790	50
			Measured	Measured	Estimated
METHYL HEPTENONE	409-02-9	[0 % , 0.1 %[> 5000	1410	> 100
			Estimated	Measured	Estimated

Skin corrosion/irritation	:	No data available.
Specific Target Organ - Repeated	:	No data available.
Exposure		
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.



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[x] 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.
Bio Concentration Factor	:	No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

[x] 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).



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[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

ΙΑΤΑ	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.
IMDO		. 1160
חום	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: 1169 : EXTRACTS, AROMATIC, LIQUID POLLUTANT : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : P - pollutant
<u>RID</u>	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.

14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
(1S,5S)-2,6,6-trimethylbicyclo[3.1.1]hept-2-ene	01-2119979519-16-XXXX
(+)-pin-2(3)-ene	01-2119983230-42-XXXX



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15.2 Chemical safety assessment

No data available.

[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do
	NOT induce vomiting.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P370+P378	In case of fire: Use water for extinction.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.



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P243	Take precautionary measures against static discharge.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 4 Oral :	Acute toxicity Category 4 Oral
Aquatic Acute 1 :	Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 2	Chronic hazards to the aquatic environment Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2 :	Serious eye damage/eye irritation Category 2
Flam. Liq. 3 :	Flammable liquids Category 3
Flam. Sol. 2 :	Flammable solid Category 2
Skin irrit. 2 :	Skin corrosion/irritation Category 2
Skin Sens. 1 :	Skin sensitizer Category 1
Skin Sens. 1A :	Skin sensitizer Category 1A
Skin Sens. 1B :	Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



EUCALYPTUS GLOBULUS EO 80/85% E05778

1 Identification of the substance/mixture and the company/business

1.1 Product identifier

EUCALYPTUS GLOBULUS EO 80/85% E05778				
CAS-No.	:	8000-48-4		
EINECS Number	:	283-406-2		
INDEX NUMBER	1	No data available.		
REACH Registration No.	1	01-2119978250-37-0012 *		
		* The REACH number is specific to V MANE FILS legal entity.		

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620. Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 0532-83889090 Other Emergency Numbers :

2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

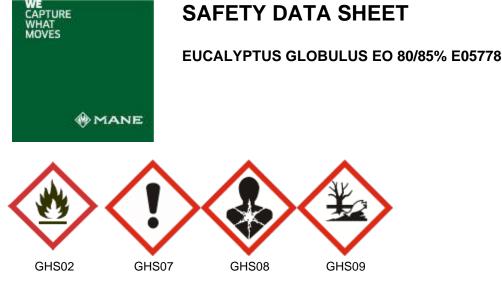
CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor. <u>Health Dangers</u> Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. <u>Environmental hazards</u> Aquatic Chronic 2: Toxic to aquatic life with long loging offect

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements



DANGER

H226: Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

EUH208: Contains D-LIMONENE, 4-TERPINENOL, Alpha TERPINENE, LINALOOL, TERPINOLENE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Endocrine Disruptors: None

Other information: None

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8000-48-4				
Component	CAS number	Concentration	CLASSIFICATION	Other hazard



EUCALYPTUS GLOBULUS EO 80/85% E05778

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	Index number	limit	ACCORDING Reg. 1272/2008/CE	information
EUCALYPTOL	470-82-6	[80 % , 100 %]	Flam. Liq. 3, H226 Skin Sens. 1B, H317	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 2480 mg/kg CL50 Inhalation - vapor > 100 mg/l
L-LIMONENE	5989-54-8	[10 % , 20 %[Flam. Liq. 3, H226 Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral > 5000 mg/kg CL50 Inhalation - vapor > 100 mg/l
PARACYMENE	99-87-6	[5 % , 10 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 3 Inhalation, H331 Repr. 2, H361 Aquatic Chronic 2, H411	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 4750 mg/kg CL50 Inhalation - vapor 9.7000 mg/l
Alpha PINENE	80-56-8	[5 % , 10 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 500 mg/kg CL50 Inhalation - vapor > 100 mg/l
GAMMA TERPINENE	99-85-4	[5 % , 10 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361 Aquatic Chronic 2, H411	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 3650 mg/kg CL50 Inhalation - vapor > 100 mg/l
MYRCENE	123-35-3	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral > 5000 mg/kg CL50 Inhalation - vapor > 100 mg/l
Beta PINENE	127-91-3	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral > 5000 mg/kg CL50 Inhalation - vapor > 100 mg/l
Alpha PHELLANDRENE	99-83-2	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral > 5000 mg/kg CL50 Inhalation - vapor >

WE CAPTURE WHAT MOVES

SAFETY DATA SHEET

EUCALYPTUS GLOBULUS EO 80/85% E05778

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				100 mg/l
Alpha TERPINEOL	98-55-5	[1 % , 5 %[Skin irrit. 2, H315 Eye Irrit. 2, H319	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 4300 mg/kg CL50 Inhalation - vapor > 100 mg/l
D-LIMONENE	5989-27-5 601-096-00-2	[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral > 5000 mg/kg CL50 Inhalation - vapor > 100 mg/l
4-TERPINENOL	562-74-3	[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1, H317 Acute Tox. 3 Inhalation, H331 STOT SE 3 (NE), H336	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal 2500 mg/kg LD50 Oral 1300 mg/kg CL50 Inhalation - vapor 3 mg/l
Alpha TERPINENE	99-86-5	[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 1680 mg/kg CL50 Inhalation - vapor > 100 mg/l
LINALOOL	78-70-6 603-235-00-2	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	M factor: Not applicable SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 2790 mg/kg CL50 Inhalation - vapor > 100 mg/l
TERPINOLENE	586-62-9	[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M factor: 1 SCL: Not applicable ATE: LD50 Dermal > 5000 mg/kg LD50 Oral 3850 mg/kg CL50 Inhalation - vapor > 100 mg/l

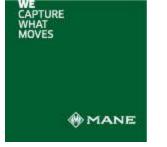
Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures



EUCALYPTUS GLOBULUS EO 80/85% E05778

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 Measures to adopt in case of accidental dispersion

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 <u>Environmental precautions</u>

There must be no release into the environment.

6.3 Methods and material for containment and clean-up



EUCALYPTUS GLOBULUS EO 80/85% E05778

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
Alpha PINENE	80-56-8	[5 % , 10 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None JAPAN: 20 (ACGIH) POLAND: None UNITED STATES OF AMERICA: 20 (ACGIH)
Beta PINENE	127-91-3	[1 % , 5 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None JAPAN: 20 (ACGIH) POLAND: None UNITED STATES OF AMERICA: 20 (ACGIH)



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European Indicative OELs values

None

8.2 Exposure controls

Face & eye protection:

Use safety glasses or a face shield according to Standard EN 166 and according to the hazard analysis specific to the workplace (chemical to be handled, protocol for use, frequency of use, quantity used, etc.).

Hand & skin protection:

Use chemical resistant gloves in accordance with Standard EN 374 for protective gloves against chemicals.

When prolonged or frequently repeated contact may occur, a glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to Standard EN 374) is recommended.

When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to Standard EN 374) is recommended. Thickness > or = 0.2 mm.

Please observe the instructions regarding permeability and breakthrough time which are provided by the glove supplier. Permeation time must exceed contact time.

Choose the type of gloves according to the chemical properties of the products being handled.

Change gloves according to the manufacturer's recommendations or if they are damaged.

Wear protective clothing covering the arms and legs. Use an apron or full suit if exposure is expected.

These recommendations must be adapted according to the hazard analysis specific to the workplace.

Respiratory protection:

Use in a well-ventilated area.

In the event that ventilation is not sufficient to prevent inhalation of substances or reduce airborne concentrations below an established occupational exposure limit, use an adequate respiratory apparatus to supplement the engineering measures already in place.

These recommendations must be adapted according to the hazard analysis specific to the workplace.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 48 °C (118.5 °F)



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- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.9060 / 0.9250
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

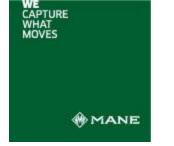
10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions



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No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Hazard class information as defined in Regulation (EC) No. 1272/2008

Product Information

 LD50 Dermal(mg/kg)
 > 5000 (Measured)

 LD50 Oral(mg/kg)
 3320 (Measured)

 CL50 Inhalation - vapor(mg/l)
 80.310 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
-		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
EUCALYPTOL	470-82-6	[80 % , 100 %]	> 5000	2480	> 100
			Estimated	Estimated	Estimated
L-LIMONENE	5989-54-8	[10 % , 20 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	[5 % , 10 %[> 5000	4750	9.7000
			Estimated	Measured	Measured
GAMMA TERPINENE	99-85-4	[5 % , 10 %[> 5000	3650	> 100
			Estimated	Measured	Estimated
Alpha PINENE	80-56-8	[5 % , 10 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha PHELLANDRENE	99-83-2	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha TERPINEOL	98-55-5	[1 % , 5 %[> 5000	4300	> 100



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			Estimated	Estimated	Estimated		
D-LIMONENE	5989-27-5	[0.1 % , 1 %[> 5000	> 5000	> 100		
			Estimated	Estimated	Estimated		
4-TERPINENOL	562-74-3	[0.1 % , 1 %[2500	1300	3		
			Estimated	Estimated	Estimated		
Alpha TERPINENE	99-86-5	[0.1 % , 1 %[> 5000	1680	> 100		
			Estimated	Measured	Estimated		
LINALOOL	78-70-6	[0.1 % , 1 %[> 5000	2790	> 100		
			Measured	Measured	Estimated		
TERPINOLENE	586-62-9	[0.1 % , 1 %[> 5000	3850	> 100		
			Estimated	Estimated	Estimated		
Germ cell mutagenicity	:	(OECD 471) - Ames test					
Germ cell mutagenicity	:	(OECD 476) - ML/TK tes	st				
C ,		, ,					
	:	(OECD 473) - HL CAT					
Germ cell mutadenicity		(•=•=•;) •=•••					
Germ cell mutagenicity			(OECD 422) - Combined Repeated Dose Toxicity Study with the Reproduction /				
c <i>i</i>		(OECD 422) - Combined	Repeated Dose T	oxicity Study with	the Reproductio		
Reproductive toxicity	:	· ,	•	oxicity Study with	the Reproduction		
c <i>i</i>	:	(OECD 422) - Combined Developmental Toxicity \$	•	oxicity Study with	the Reproduction		
Reproductive toxicity	-	Developmental Toxicity S	•	oxicity Study with	the Reproduction		
c <i>i</i>	-	· ,	•	oxicity Study with	the Reproduction		
Reproductive toxicity Serious eye damage/irritation	n :	Developmental Toxicity S No data available.	•	oxicity Study with	the Reproduction		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl	n :	Developmental Toxicity S	•	oxicity Study with	the Reproduction		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure	n :	Developmental Toxicity S No data available. No data available.	•	oxicity Study with	the Reproduction		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl	n :	Developmental Toxicity S No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure	n :	Developmental Toxicity S No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure Skin Sensitization	n :	Developmental Toxicity S No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure	n :	Developmental Toxicity S No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure Skin Sensitization Cancerogenicity	n : le : :	Developmental Toxicity S No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE)	n : le : :	Developmental Toxicity S No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Single Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Single Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repe	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Single Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repe Exposure	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Single Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repe	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repe Exposure Aspiration Hazard	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Single Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repe Exposure	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		
Reproductive toxicity Serious eye damage/irritation Specific Target Organ - Singl Exposure Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repe Exposure Aspiration Hazard	n : le : : :	Developmental Toxicity S No data available. No data available. No data available. No data available. No data available. No data available. No data available.	•	oxicity Study with	the Reproductio		

Information on likely routes of exposure

No data available.

Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

Interactive effects

No data available.



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11.2 Information on other hazards

Properties interfering with the endocrine system

Not applicable

Other information

No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	: No data available.
Bio Concentration Factor	: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Information on other hazards



EUCALYPTUS GLOBULUS EO 80/85% E05778

Properties interfering with the endocrine system

Not applicable

Other information

No data available.

12.7 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

	UN number Transportation name United Nations Danger class(es) for transport	: 1197 : EXTRACTS, LIQUID : Classe 3 : FLAMMABLE LIQUIDS
	Packaging group Environmental dangers	: III : Yes.
	Tunnel restriction code	: No data available.
ΙΑΤΑ		
	UN number	: 1197
	Transportation name United Nations	: EXTRACTS, LIQUID
	Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
	Packaging group	:
	Environmental dangers	: Yes.
IMDG	<u>n</u> UN number	: 1197
RID	Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: EXTRACTS, LIQUID POLLUTANT : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : P - pollutant
	UN number	: 1197



EUCALYPTUS GLOBULUS EO 80/85% E05778

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Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code : EXTRACTS, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.

14.1 Special precautions for user

No recommendation given.

15 Regulatory information

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

: No data available.

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

SEVESO III: DIRECTIVE 2012/18/EU of the European parliament and of the council on the control of major-accident hazards involving dangerous substances.

Section(s) of the ICPE nomenclature (France): 4130, 4330, 4331, 4510, 4511

Other regulations can apply:

Directive 92/85/EEC on the maternity Protection or stricter national regulations if applicable. Directive 94/33/EC on the protection of young people at work or stricter national regulations, if applicable.

15.2 Chemical safety assessment

No data available.

16 Other information

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways	H226	Flammable liquid and vapor.
H204 May be fatal if swallowed and enters airways	H302	Harmful if swallowed.
	H304	May be fatal if swallowed and enters airways.
H315 Causes skin irritation.	H315	Causes skin irritation.
H317 May cause an allergic skin reaction.	H317	May cause an allergic skin reaction.
H319 Causes serious eye irritation.	H319	Causes serious eye irritation.
H331 Toxic if inhaled.	H331	Toxic if inhaled.
H336 May cause drowsiness or dizziness.	H336	May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.	H361	Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.	H400	Very toxic to aquatic life.



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H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 3 Inhalation :	Acute toxicity Category 3 Inhalation
Acute Tox. 4 Oral :	Acute toxicity Category 4 Oral
Aquatic Acute 1 :	Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 2	Chronic hazards to the aquatic environment Category 2
Aquatic Chronic 3	Chronic hazards to the aquatic environment Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 3	Flammable liquids Category 3
Repr. 2	Toxic for Reproduction Category 2
Skin irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitizer Category 1
Skin Sens. 1B :	Skin sensitizer Category 1B
STOT SE 3 (NE) :	Specific target organ toxicity - single exposure Category 3 Narcotic effect.

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product. It is the user's liability to conform to all local, national, and international regulations that

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Version 1 Model 8



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apply to its activities. This automatically generated safety data sheet is valid without signature.



Product : FRANKINCENSE E_9514236

1 PRODUCT AND COMPANY IDENTIFICATION

2

1.1 Product identifier

FRANKINCENSE E_9514236

Your reference

E_9514236 FRANKINCENSE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier: V. MANE FilsAddress: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCETelephone: (33).4.93.09.70.00 (Only during office hours)e-mail: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards

Flam. Liq. 4: Combustible liquid. <u>Health Dangers</u> Acute Tox. 4 Oral: Harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Repr. 2: Suspected of damaging fertility or the unborn child. <u>Environmental hazards</u> Aquatic Acute 1: Very toxic to aquatic life.

Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

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Product : FRANKINCENSE E_9514236

Pictogram



Signal Word

DANGER

Hazard Statements

H227: Combustible liquid.

- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H361: Suspected of damaging fertility or the unborn child.
- H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P281: Use personal protective equipment as required.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P201: Obtain special instructions before use.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

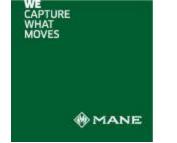
P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.



Product : FRANKINCENSE E_9514236

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	Concentration limit	CLASSIFICATION
Alpha PINENE	80-56-8	[50 % , 80 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LIMONENES	138-86-3	[10 % , 20 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
PARACYMENE	99-87-6	[5 % , 10 %[Flam. Liq. 3, H226 Acute Tox. 5 Oral, H303 Asp. Tox. 1, H304 Skin irrit. 3, H316 Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
MYRCENE	123-35-3	[5 % , 10 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Beta PINENE	127-91-3	[5 % , 10 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(-) TRANS BETA CARYOPHYLLENE	87-44-5	[1 % , 5 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
GAMMA TERPINENE	99-85-4	[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 5 Oral, H303 Asp. Tox. 1, H304 Skin irrit. 3, H316 Repr. 2, H361

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Product : E_9514236

WE CAPTURE WHAT MOVES

SAFETY DATA SHEET

Product : FRANKINCENSE E_9514236

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CAMPHENE	79-92-5	[1 % , 5 %[Flam. Sol. 2, H228 Eye Irrit. 2B, H320 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-TERPINENOL	562-74-3	[1 % , 5 %[Flam. Liq. 4, H227 Acute Tox. 4 Oral, H302 Acute tox. 5 Dermal, H313 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Acute Tox. 4 Inhalation, H332 STOT SE 3 (NE), H336 Aquatic Acute 2, H401
TERPINOLENE	586-62-9	[0.1 % , 1 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Asp. Tox. 1, H304 Skin irrit. 3, H316 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
EUCALYPTOL	470-82-6	[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 5 Oral, H303 Skin irrit. 3, H316 Skin Sens. 1B, H317 Eye Irrit. 2B, H320 Aquatic Acute 3, H402
DELTA 3 CARENE	13466-78-9	[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 5 Oral, H303 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1, H317 Acute Tox. 4 Inhalation, H332 Aquatic Acute 2, H401 Aquatic Chronic 1, H410
CARVONES	99-49-0	[0.1 % , 1 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Acute tox. 5 Dermal, H313 Skin Sens. 1B, H317 Aquatic Acute 2, H401

Ingredients having an occupational exposure limit value: See section 8.

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed



Product : FRANKINCENSE E_9514236

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

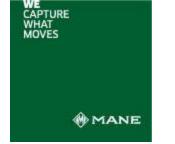
Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling



Product : FRANKINCENSE E_9514236

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limits (OELs) values: None

8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW

Issue date 31 MAR 2022



Product : FRANKINCENSE E_9514236

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- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 64 °C (147.3 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.8530 / 0.8830
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 <u>Reactivity</u>

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Product : FRANKINCENSE E_9514236

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Calculated)
LD50 Oral(mg/kg)	852.13 (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
Alpha PINENE	80-56-8	>= 50 % - 80 %	> 5000	500	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	>= 10 % - 20 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	>= 5 % - 10 %	> 5000	4750	> 100

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			Estimated	Estimated	Estimated
MYRCENE	123-35-3	>= 5 % - 10 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	>= 5 % - 10 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	>= 1 % - 5 %	> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
GAMMA TERPINENE	99-85-4	>= 1 % - 5 %	> 5000	3850	> 100
			Estimated	Estimated	Estimated
CAMPHENE	79-92-5	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
4-TERPINENOL	562-74-3	>= 1 % - 5 %	2500	1300	11
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	>= 0.1 % - 1 %	> 5000	3850	> 100
			Estimated	Estimated	Estimated
EUCALYPTOL	470-82-6	>= 0.1 % - 1 %	> 5000	2480	> 100
			Estimated	Estimated	Estimated
DELTA 3 CARENE	13466-78-9	>= 0.1 % - 1 %	> 5000	4800	11
			Estimated	Measured	Estimated
CARVONES	99-49-0	>= 0.1 % - 1 %	3800	2500	> 100
			Estimated	Estimated	Estimated

Serious eye damage/irritation	:	No data available.
Germ cell mutagenicity	:	No data available.
Reproductive toxicity	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Skin Sensitization	:	No data available.
Cancerogenicity	:	No data available.
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Specific Target Organ - Repeated	:	No data available.
Exposure		
Aspiration Hazard	:	No data available.
Respiratory Sensitization	:	No data available.
Skin corrosion/irritation	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 <u>Symptoms related to the physical, chemical, and toxicological characteristics</u>

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

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No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.
Toxicity Rat	:	No data available.

12.2 Persistence and degradability

Biodegradability	
Hydrosolubility	
Comments	

No data available.No data available.None

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient)	: No data available.
Bio Concentration Factor	: No data available.
Bioaccumulative potential	: No data available.
Mobility in soil	: No data available.
Other adverse effects	: No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

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14 TRANSPORT INFORMATION

<u>ADR</u>

(Alpha PINENE, LIMONENES)		•	
Alpha PINENE, LIMONENES) Danger class(es) for transport : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES A ARTICLES Packaging group : III Environmental dangers : Yes. IATA : S082 Transportation name United Nations : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, I (Alpha PINENE, LIMONENES) Danger class(es) for transport : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES A ARTICLES Packaging group : III Environmental dangers : Yes. IMDG : 3082 UN number : 3082 Transportation name United Nations : Pes. IMDG : 3082 UN number : 3082 Transportation name United Nations : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, I (Alpha PINENE, LIMONENES) Danger class(es) for transport : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES A ARTICLES Packaging group : III Environmental dangers : Yes. Marine polutants : P - pollutant WIN number : 3082 Transportation name United Nations : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, I (Alpha PINENE, LIMONENES) Danger class(es) for transport		UN number	: 3082
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Packaging group : III		Danger class(es) for transport	
Environmental dangers : Yes.			: III
		Environmental dangers	: Yes.

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 Other information



Product : FRANKINCENSE E_9514236

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H227	Combustible liquid.
H228	Flammable solid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P281	Use personal protective equipment as required.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P370+P378	In case of fire: Use water for extinction.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
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P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



GERANIUM * E_9915763

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

		GERANIUM * E_9915763
CAS-No.	:	8000-46-2
EINECS Number	:	290-140-0
INDEX NUMBER	:	No data available.
REACH Registration No.	:	01-2120769423-50-0002

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911

[x] 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

No hazard specified. <u>Health Dangers</u> Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Dam. 1: Causes serious eye damage. <u>Environmental hazards</u> Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements



DANGER

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains NEROL, CITRONELLYLE TIGLATE, LIMONENES, CITRONELLAL, Beta PINENE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8000-46-2

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
CITRONELLOL	106-22-9		[20 % , 50 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319



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GERANIOL	106-24-1		[10 % , 20 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
LINALOOL	78-70-6	603-235-00-2	[5 % , 10 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eve Irrit. 2, H319
GERANYL FORMATE	105-86-2		[1 % , 5 %[Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
CITRAL	5392-40-5	605-019-00-3	[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
ROSE OXIDE	16409-43-1		[1 % , 5 %[Skin irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361
MENTHONE	89-80-5		[1 % , 5 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[1 % , 5 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
GERANYLE BUTYRATE	106-29-6		[1 % , 5 %[Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alpha PINENE	80-56-8		[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
NEROL	106-25-2		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
CITRONELLYLE TIGLATE	24717-85-9		[0.1 % , 1 %[Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
beta-OCIMENE	13877-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
CITRONELLAL	106-23-0		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
LIMONENES	138-86-3	601-029-00-7	[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
MYRCENE	123-35-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
PARACYMENE	99-87-6		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361 Aquatic Chronic 2, H411
METHYL HEPTENONE	409-02-9		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302



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			Skin irrit. 2, H31 Skin Sens. 1A, Eye Irrit. 2, H31	H317
Alpha PHELLANDRENE	99-83-2	[0.1 %	1 %[Flam. Liq. 3, H2 Asp. Tox. 1, H3 Aquatic Acute 1 Aquatic Chronic	04 , H400
Beta PINENE	127-91-3	[0.1 %	1 %[Flam. Liq. 3, H2 Asp. Tox. 1, H3 Skin irrit. 2, H31 Skin Sens. 1B, Aquatic Acute 1 Aquatic Chronic	04 5 1317 , H400

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

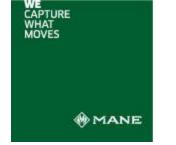
Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture



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Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 <u>Methods and materials for containment and cleanup procedure</u>

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

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[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
CITRAL	5392-40-5	[1 % , 5 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			JAPAN: 5 (ACGIH)
			UNITED STATES: 5 (ACGIH)
Alpha PINENE	80-56-8	[1 % , 5 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			JAPAN: 20 (ACGIH)
			UNITED STATES: 20 (ACGIH)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From YELLOW to BROWN YELLOW



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- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 78 °C (172.4 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 0.08 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.8920 / 0.8990
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 <u>Reactivity</u>



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No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

 LD50 Dermal(mg/kg)
 4186.1 (Unknown: 18.39%) (Calculated)

 LD50 Oral(mg/kg)
 3074.7 (Unknown: 18.39%) (Calculated)

 CL50 Inhalation - vapor(mg/l)
 > 100 (Unknown: 18.39%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
CITRONELLOL	106-22-9	[20 % , 50 %[2650	3450	> 100
			Estimated	Estimated	Estimated
GERANIOL	106-24-1	[10 % , 20 %[> 5000	3600	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[5 % , 10 %[> 5000	2790	> 100



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			Measured	Measured	Estimated
GERANYL FORMATE	105-86-2	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
CITRAL	5392-40-5	[1 % , 5 %[2250	> 5000	> 100
			Estimated	Estimated	Estimated
ROSE OXIDE	16409-43-1	[1 % , 5 %[> 5000	4300	> 100
			Estimated	Estimated	Estimated
MENTHONE	89-80-5	[1 % , 5 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	[1 % , 5 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[1 % , 5 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	[0.1 % , 1 %[> 5000	4500	> 100
			Estimated	Measured	Estimated
CITRONELLYLE TIGLATE	24717-85-9	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
CITRONELLAL	106-23-0	[0.1 % , 1 %[2500	2500	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	[0.1 % , 1 %[> 5000	4750	> 100
			Estimated	Estimated	Estimated
METHYL HEPTENONE	409-02-9	[0.1 % , 1 %[> 5000	1410	> 100
			Estimated	Measured	Estimated
Beta PINENE	127-91-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) - Single Exposure	:	No data available.
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure



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No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	: No data available.
Hydrosolubility	: No data available.
Comments	: None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.
Bio Concentration Factor	:	No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects



GERANIUM * E_9915763

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GERANIUM ESSENTIAL OIL, GERANYLE BUTYRATE)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group Environmental dangers Tunnel restriction code	: III : Yes. : E
<u>IATA</u>	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GERANIUM ESSENTIAL OIL, GERANYLE BUTYRATE)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
IMDO	Packaging group Environmental dangers	: III : Yes.
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GERANIUM ESSENTIAL OIL, GERANYLE BUTYRATE) POLLUTANT
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
RID	Packaging group Environmental dangers Marine polutants	: III : Yes. : P - pollutant
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GERANIUM ESSENTIAL OIL, GERANYLE BUTYRATE)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES



GERANIUM * E_9915763

Packaging group: IIIEnvironmental dangers: Yes.Tunnel restriction code: E

14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
Pelargonium graveolens, ext.	01-2120769423-50-0002

15.2 Chemical safety assessment

No data available.

[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P280	Wear protective gloves/protective clothing/eye protection/face protection.



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P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

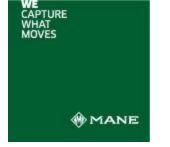
CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 4 Oral	: Acute toxicity Category 4 Oral
Aquatic Acute 1	: Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	: Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 2	: Chronic hazards to the aquatic environment Category 2
Aquatic Chronic 3	: Chronic hazards to the aquatic environment Category 3
Aquatic Chronic 4	: Chronic hazards to the aquatic environment Category 4
Asp. Tox. 1	: Aspiration hazard Category 1
Eye Dam. 1	: Serious eye damage/eye irritation Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
Flam. Liq. 3	: Flammable liquids Category 3
Repr. 2	: Toxic for Reproduction Category 2
Skin irrit. 2	: Skin corrosion/irritation Category 2
Skin Sens. 1	: Skin sensitizer Category 1
Skin Sens. 1A	: Skin sensitizer Category 1A
Skin Sens. 1B	: Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The



GERANIUM * E_9915763

information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



Product : GRAPEFRUIT EO M_0020345

1 PRODUCT AND COMPANY IDENTIFICATION

2

1.1 Product identifier

CAS-No.

GRAPEFRUIT EO M_0020345 8016-20-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier: V. MANE FilsAddress: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCETelephone: (33).4.93.09.70.00 (Only during office hours)e-mail: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone number : NCEC (regional) +65 3158 1074 / (local) 0120 015 230

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor.
Health Dangers
Asp. Tox. 1: May be fatal if swallowed and enters airways.
Skin irrit. 2: Causes skin irritation.
Skin Sens. 1: May cause an allergic skin reaction.
Environmental hazards
Aquatic Acute 1: Very toxic to aquatic life.
Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Pictogram

Issue date 11 MAY 2022



Signal word

DANGER

Hazard Statements

H226: Flammable liquid and vapor.

- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

2.3 Other hazards



Product : GRAPEFRUIT EO M_0020345

None

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8016-20-4

Component	CAS	Concentration limit	CLASSIFICATION
LIMONENES	138-86-3	[80 % , 100 %]	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
MYRCENE	123-35-3	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alpha PINENE	80-56-8	[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(-) TRANS BETA CARYOPHYLLENE	87-44-5	[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317
CITRAL	5392-40-5	[0.1 % , 1 %[Acute tox. 5 Dermal, H313 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Beta PINENE	127-91-3	[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALOOL	78-70-6	[0.1 % , 1 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 3, H402
CITRONELLAL	106-23-0	[0.1 % , 1 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Acute tox. 5 Dermal, H313 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
CARVONES	99-49-0	[0.1 % , 1 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303

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Product : GRAPEFRUIT EO M_0020345

	Acute tox. 5 Skin Sens. 1 Aquatic Acut	,
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Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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8.1 <u>Control parameters</u>

National occupational exposure limits (OELs) values: None

8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From ORANGE to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 54 °C (129.3 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 1 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.8450 / 0.8650



Product : GRAPEFRUIT EO M_0020345

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- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials



Product : GRAPEFRUIT EO M_0020345

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Calculated)
LD50 Oral(mg/kg)	> 5000 (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
LIMONENES	138-86-3	>= 80 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	>= 0.1 % - 1 %	> 5000	500	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	>= 0.1 % - 1 %	> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
CITRAL	5392-40-5	>= 0.1 % - 1 %	2250	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	>= 0.1 % - 1 %	> 5000	2790	> 100
			Measured	Measured	Estimated
CITRONELLAL	106-23-0	>= 0.1 % - 1 %	2500	2500	> 100
			Estimated	Estimated	Estimated
CARVONES	99-49-0	>= 0.1 % - 1 %	3800	2500	> 100
			Estimated	Estimated	Estimated

Serious eye damage/irritation Germ cell mutagenicity Reproductive toxicity Specific Target Organ - Single Exposure	:	No data available. No data available. No data available. No data available.
Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure Specific Target Organ - Repeated	: :	No data available. No data available. No data available. No data available.



Product : GRAPEFRUIT EO M_0020345

Exposure Aspiration Hazard Respiratory Sensitization Skin corrosion/irritation

No data available.No data available.

: No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.
Toxicity Rat	:	No data available.

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments

- : No data available.
- : No data available.
- : None



Product : GRAPEFRUIT EO M_0020345

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient) Bio Concentration Factor Bioaccumulative potential Mobility in soil Other adverse effects No data available.No data available.

- : No data available.
- : No data available.
- : No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.
IMDG		
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : P - pollutant
<u>RID</u>	UN number Transportation name United Nations Danger class(es) for transport Packaging group	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III



Product : GRAPEFRUIT EO M_0020345

Environmental dangers

: Yes.

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 Other information

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H227Combustible liquid.H302Harmful if swallowed.H303May be harmful if swallowed.H304May be harmful in contact with skin.H313May be harmful in contact with skin.H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H410Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.DoNOT induce vorniting.Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P334Collect spillage.P321Specific treatment (see this label).	H226	Flammable liquid and vapor.
H302Harmful if swallowed.H303May be harmful if swallowed.H304May be fatal if swallowed and enters airways.H313May be harmful in contact with skin.H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid relase to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P361+P353If CON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P331+P370If skin irritation or rash occurs: Get medical advice.P391Collect spillage.P321Specific treatment (see this label).		
H303May be harmful if swallowed.H304May be fatal if swallowed and enters airways.H313May be harmful in contact with skin.H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H410Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P313IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P331If skin irritation or rash occurs: Get medical advice.P391Collect spillage.P321Specific treatment (see this label).	H302	·
H304May be fatal if swallowed and enters airways.H313May be harmful in contact with skin.H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H410Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P313If Skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).		May be harmful if swallowed.
H313May be harmful in contact with skin.H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.H413Toxic to aquatic life with long lasting effects.H414Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P391Collect spillage.P321Specific treatment (see this label).	H304	•
H315Causes skin irritation.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P361+P353If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H313	May be harmful in contact with skin.
H317May cause an allergic skin reaction.H319Causes serious eye irritation.H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P361+P353If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H315	Causes skin irritation.
H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353If Skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H317	May cause an allergic skin reaction.
H400Very toxic to aquatic life.H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353If Skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H319	Causes serious eye irritation.
H401Toxic to aquatic life.H402Harmful to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H400	Very toxic to aquatic life.
H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P391Collect spillage.P321Specific treatment (see this label).	H401	Toxic to aquatic life.
H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P391Collect spillage.P321Specific treatment (see this label).	H402	Harmful to aquatic life.
H412Harmful to aquatic life with long lasting effects.P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H410	Very toxic to aquatic life with long lasting effects.
P210Keep away from heat/sparks/open flames/hot surfaces No smoking.P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H411	Toxic to aquatic life with long lasting effects.
P280Wear protective gloves/protective clothing/eye protection/face protection.P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	H412	Harmful to aquatic life with long lasting effects.
P261Avoid breathing dust/fume/gas/mist/vapors/spray.P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P273Avoid release to the environment.P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
NOT induce vomiting.P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	P273	Avoid release to the environment.
P303+P361+P353IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.P333+P313If skin irritation or rash occurs: Get medical advice.P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	P301+P310+P331	
P370+P378In case of fire: Use water for extinction.P391Collect spillage.P321Specific treatment (see this label).	P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.
P391 Collect spillage. P321 Specific treatment (see this label).	P333+P313	If skin irritation or rash occurs: Get medical advice.
P321 Specific treatment (see this label).	P370+P378	In case of fire: Use water for extinction.
	P391	Collect spillage.
P362 Take off contaminated clothing and wash before reuse.	P321	Specific treatment (see this label).
	P362	Take off contaminated clothing and wash before reuse.



Product : GRAPEFRUIT EO M_0020345

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P403+P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



LAVENDER M_0020655

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

LAVENDER M_0020655				
CAS-No.	:	8000-28-0		
EINECS Number	1	283-994-0		
INDEX NUMBER	:	No data available.		
REACH Registration No.	1	No data available.		

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazardsNo hazard specified.Health DangersAsp. Tox. 1: May be fatal if swallowed and enters airways.Skin irrit. 2: Causes skin irritation.Skin Sens. 1: May cause an allergic skin reaction.Eye Irrit. 2: Causes serious eye irritation.Environmental hazards

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements



DANGER

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains GERANIOL, LIMONENES, Alpha PINENE, NEROL, TERPINOLENE, 1-OCTEN-3-yl ACETATE, Beta PINENE, COUMARIN, CARVONES. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8000-28-0

Component CAS INDEX Concentration CLASSIFICATION
--

Issue date 20 SEP 2018

Product : M_0020655



LAVENDER M_0020655

MANE

		NUMBER	limit	ACCORDING Reg. 1272/2008/CE
LINALYL ACETATE	115-95-7		[20 % , 50 %[Skin irrit. 2, H315
				Skin Sens. 1, H317 Eye Irrit. 2, H319
LINALOOL	78-70-6	603-235-00-2	[20 % , 50 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
beta-OCIMENE	13877-91-3		[10 % , 20 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
4-TERPINENOL	562-74-3		[5 % , 10 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[5 % , 10 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317
1-OCTEN-3-OL	3391-86-4		[5 % , 10 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4 Inhalation, H332 Aquatic Acute 1, H400
Alpha TERPINEOL	98-55-5		[1 % , 5 %[Skin irrit. 2, H315 Eye Irrit. 2, H319
MYRCENE	123-35-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
EUCALYPTOL	470-82-6		[1 % , 5 %[Flam. Liq. 3, H226 Skin Sens. 1B, H317
GERANYLE ACETATE	105-87-3		[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
LINALOOL OXIDE	1365-19-1		[1 % , 5 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319
GERANIOL	106-24-1		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
Alpha PINENE	80-56-8		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LIMONENES	138-86-3	601-029-00-7	[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CAMPHENE	79-92-5		[0.1 % , 1 %[Flam. Sol. 2, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
NEROL	106-25-2		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318
TERPINOLENE	586-62-9		[0.1 % , 1 %[Asp. Tox. 1, H304



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1-OCTEN-3-yl ACETATE	2442-10-6		[0.1 % , 1 %[Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 4 Oral, H302
Beta PINENE	127-91-3		[0.1 % , 1 %[Skin Sens. 1B, H317 Flam. Lig. 3, H226
	127-31-3		[v., /v , i /o[Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CARVONES	99-49-0	606-148-00-8	[0.1 % , 1 %[Skin Sens. 1B, H317
COUMARIN	91-64-5		[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Skin Sens. 1B, H317

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.



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5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

[x] 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.



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[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

FRANCE: None GERMANY: None UNITED STATES: None CHINA: None INDONESIA: None

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.



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- Boiling point (°C): No data available.
- Flash point (°C): 71 °C (159.8 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 0.1 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.878 / 0.892
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability



LAVENDER M_0020655

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	2149.3 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	61.300 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/I)
LINALYL ACETATE	115-95-7	[20 % , 50 %[> 5000 Estimated	> 5000 Estimated	> 100 Estimated
LINALOOL	78-70-6	[20 % , 50 %[> 5000 Measured	2790 Measured	50 Estimated
beta-OCIMENE	13877-91-3	[10 % , 20 %[> 5000 Estimated	5000 Measured	> 100 Estimated
4-TERPINENOL	562-74-3	[5 % , 10 %[2500 Estimated	1300 Estimated	> 100 Estimated
1-OCTEN-3-OL	3391-86-4	[5 % , 10 %[3300 Estimated	340 Estimated	11 Estimated
(-) TRANS BETA CARYOPHYLLENE	87-44-5	[5 % , 10 %[> 5000 Estimated	> 5000 Estimated	> 100 Estimated

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Alpha TERPINEOL	98-55-5	[1 % , 5 %[> 5000	4300	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
EUCALYPTOL	470-82-6	[1 % , 5 %[> 5000	2480	> 100
			Estimated	Estimated	Estimated
GERANYLE ACETATE	105-87-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALOOL OXIDE	1365-19-1	[1 % , 5 %[2500	1750	> 100
			Estimated	Estimated	Estimated
GERANIOL	106-24-1	[0.1 % , 1 %[> 5000	3600	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[0.1 % , 1 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	[0.1 % , 1 %[> 5000	4500	> 100
			Estimated	Measured	Estimated
TERPINOLENE	586-62-9	[0.1 % , 1 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
1-OCTEN-3-yl ACETATE	2442-10-6	[0.1 % , 1 %[> 5000	850	> 100
-			Estimated	Estimated	Estimated
COUMARIN	91-64-5	[0.1 % , 1 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
CARVONES	99-49-0	[0.1 % , 1 %[3800	> 5000	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure



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No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.
Bio Concentration Factor	:	No data available.

12.4 Mobility in soil

No data available.

12.5 <u>Results of PBT and vPvB assessment</u>

No data available.

12.6 Other adverse effects

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No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

[x] 14 TRANSPORT INFORMATION

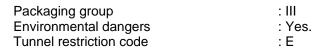
<u>ADR</u>

	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LAVENDER ESSENTIAL OIL, 1-OCTEN-3-OL) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES : III : Yes. : E
<u>IATA</u>	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LAVENDER ESSENTIAL OIL, 1-OCTEN-3-OL)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group Environmental dangers	: III : Yes.
IMDO		. 165.
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LAVENDER ESSENTIAL OIL, 1-OCTEN-3-OL) POLLUTANT
	Danger class(es) for transport	Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group	: III
RID	Environmental dangers Marine polutants	: Yes. : P - pollutant
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LAVENDER ESSENTIAL OIL, 1-OCTEN-3-OL)
	Danger class(es) for transport	Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES

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14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

No data available.

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226 H228 H302 H304 H315 H317 H318 H319 H332 H400 H410 H411	Flammable liquid and vapor. Flammable solid. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P261 P273	Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid release to the environment.



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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

	Acute Tox. 4 OralAquatic Acute 1Aquatic Chronic 1Aquatic Chronic 2Aquatic Chronic 3Asp. Tox. 1Eye Dam. 1Eye Irrit. 2Flam. Liq. 3Flam. Sol. 2Skin irrit. 2	Acute toxicity Category 4 Inhalation Acute toxicity Category 4 Oral Acute hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 2 Chronic hazards to the aquatic environment Category 3 Aspiration hazard Category 1 Serious eye damage/eye irritation Category 1 Serious eye damage/eye irritation Category 2 Flammable liquids Category 3 Flammable solid Category 2 Skin corrosion/irritation Category 2
Skin Sens. 1 : Skin sensitizer Category 1 Skin Sens. 1B : Skin sensitizer Category 1B	Skin irrit. 2 : Skin Sens. 1 :	Skin corrosion/irritation Category 2 Skin sensitizer Category 1

16.3 Key literature references and sources for data



LAVENDER M_0020655

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



LEMON M_0064278

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

		LEMON M_0064278
CAS-No.	:	84929-31-7
EINECS Number	:	284-515-8
INDEX NUMBER	:	No data available.
REACH Registration No.	:	01-2119495512-35-0023

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor. Health Dangers Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Repr. 2: Suspected of damaging fertility or the unborn child. Environmental hazards

Aquatic Acute 1: Very toxic to aquatic life. Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements



DANGER

H226: Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H361: Suspected of damaging fertility or the unborn child.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P281: Use personal protective equipment as required.

P201: Obtain special instructions before use.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains GERANYLE ACETATE, NERYL ACETATE, TERPINOLENE, (-) TRANS BETA CARYOPHYLLENE, LINALOOL, DELTA 3 CARENE, CITRONELLAL, EUCALYPTOL, GERANIOL, METHYL HEPTENONE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None



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Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 84929-31-7

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
LIMONENES	138-86-3	601-029-00-7	[50 % , 80 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Beta PINENE	127-91-3		[10 % , 20 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
GAMMA TERPINENE	99-85-4		[10 % , 20 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361
CITRAL	5392-40-5	605-019-00-3	[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Alpha PINENE	80-56-8		[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MYRCENE	123-35-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
GERANYLE ACETATE	105-87-3		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
NERYL ACETATE	141-12-8		[0.1 % , 1 %[Skin Sens. 1B, H317
TERPINOLENE	586-62-9		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
PARACYMENE	99-87-6		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304



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				Repr. 2, H361 Aquatic Chronic 2, H411
beta-OCIMENE	13877-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
LINALOOL	78-70-6	603-235-00-2	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
EUCALYPTOL	470-82-6		[0.1 % , 1 %[Flam. Liq. 3, H226 Skin Sens. 1B, H317
CITRONELLAL	106-23-0		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
DELTA 3 CARENE	13466-78-9		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1, H317 Acute Tox. 4 Inhalation, H332 Aquatic Chronic 1, H410
CAMPHENE	79-92-5		[0.1 % , 1 %[Flam. Sol. 2, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alpha PHELLANDRENE	99-83-2		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
GERANIOL	106-24-1		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
METHYL HEPTENONE	409-02-9		[0 % , 0.1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.



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4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE



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7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
LIMONENES	138-86-3	[50 % , 80 %[CHINA: None
			GERMANY: 28
			FRANCE: None
			INDONESIA: None
			JAPAN: None
			UNITED STATES: 30 (AIHA)
Beta PINENE	127-91-3	[10 % , 20 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			JAPAN: 20 (ACGIH)
			UNITED STATES: 20 (ACGIH)
CITRAL	5392-40-5	[1 % , 5 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			JAPAN: 5 (ACGIH)
			UNITED STATES: 5 (ACGIH)
Alpha PINENE	80-56-8	[1 % , 5 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			JAPAN: 20 (ACGIH)
			UNITED STATES: 20 (ACGIH)



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European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From GREEN YELLOW to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 54 °C (129.2 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 1 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.8500 / 0.8580



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- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials



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No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
LIMONENES	138-86-3	[50 % , 80 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[10 % , 20 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
GAMMA TERPINENE	99-85-4	[10 % , 20 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
CITRAL	5392-40-5	[1 % , 5 %[2250	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[1 % , 5 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
GERANYLE ACETATE	105-87-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NERYL ACETATE	141-12-8	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	[0.1 % , 1 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	[0.1 % , 1 %[> 5000	4750	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	[0.1 % , 1 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[0.1 % , 1 %[> 5000	2790	> 100
			Measured	Measured	Estimated
GERANIOL	106-24-1	[0.1 % , 1 %[> 5000	3600	> 100
			Estimated	Estimated	Estimated
CITRONELLAL	106-23-0	[0.1 % , 1 %[2500	2500	> 100
			Estimated	Estimated	Estimated
DELTA 3 CARENE	13466-78-9	[0.1 % , 1 %[> 5000	4800	11
			Estimated	Measured	Estimated
EUCALYPTOL	470-82-6	[0.1 % , 1 %[> 5000	2480	> 100
		_	Estimated	Estimated	Estimated

Issue date 05 OCT 2021

Product : M_0064278



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METHYL HEPTENONE	409-02-9	[0 % , 0.1 %[> 5000 Estimated	1410 Measured	> 100 Estimated
Skin corrosion/irritation Specific Target Organ - Repe Exposure Respiratory Sensitization Reproductive toxicity Germ cell mutagenicity Serious eye damage/irritation Skin Sensitization Aspiration Hazard Specific Target Organ - Single Exposure Specific Target Organ (NE) - Single Exposure Cancerogenicity	ated : : : : : : : :	No data available. No data available.	LSumated	ineasureu	LSumateu

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

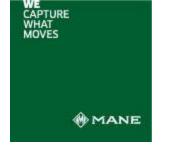
11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information



LEMON M_0064278

Toxicity Fish Toxicity Alga Toxicity Water Flea No data available.No data available.No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	: No data available.
Bio Concentration Factor	: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

UN number : 1169 Transportation name United Nations : EXTRACTS, AROMATIC, LIQUID

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- MANE

1474	Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.	
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.	
IMDO	—	. 1160	
RID	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : P - pollutant	POLLUTANT
עוא	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.	

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
Lemon, ext.	01-2119495512-35-0023

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION



LEMON M_0064278

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P281	Use personal protective equipment as required.
P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P370+P378	In case of fire: Use water for extinction.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in
	accordance with applicable laws and regulations, and product characteristics at time of disposal.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
-	



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P272

Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Agency for Research on Cancer UN: United Nations IMDG : International Agency and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Skin irrit. 2:Skin corrosion/irritation Category 2Skin Sens. 1:Skin sensitizer Category 1Skin Sens. 1A:Skin sensitizer Category 1A	Aquatic Chronic 4:Asp. Tox. 1:Eye Dam. 1:Eye Irrit. 2:Flam. Liq. 3:Flam. Sol. 2:Repr. 2:Skin irrit. 2:	Skin sensitizer Category 1 Skin sensitizer Category 1A
Skin Sens. 1A : Skin sensitizer Category 1A Skin Sens. 1B : Skin sensitizer Category 1B		v ,
Skin Sens. 1B : Skin sensitizer Category 1B	Skin Sens. 1A :	
Skin Sens. 1B : Skin sensitizer Category 1B	Skin Sens. 1A :	

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that



LEMON M_0064278

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apply to its activities. This automatically generated safety data sheet is valid without signature.



Product : MYRRH M_0020005

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

CAS-No.

MYRRH M_0020005

: 84929-26-0

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier Address Telephone e-mail : V. MANE Fils : 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE : (33).4.93.09.70.00 (Only during office hours) : FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards No hazard specified. Health Dangers Acute Tox. 4 Oral: Harmful if swallowed. Skin Sens. 1: May cause an allergic skin reaction. Environmental hazards Aquatic Acute 3: Harmful to aquatic life. Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Pictogram



Product : MYRRH M_0020005





Signal Word

WARNING

Hazard Statements

H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see this label).

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 84929-26-0

Component	CAS	Concentration limit	CLASSIFICATION
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Issue date 08 NOV 2019

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Product : MYRRH M_0020005

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MYRRH ESSENTIAL OIL	8016-37-3	>= 80 %	Acute Tox. 4 Oral, H302
(-) TRANS BETA CARYOPHYLLENE	87-44-5	>= 1 % - 5 %	Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
beta-OCIMENE	13877-91-3	>= 0.1 % - 1 %	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alpha PINENE	80-56-8	>= 0.1 % - 1 %	Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.



Product : MYRRH M_0020005

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 <u>Methods and materials for containment and cleanup procedure</u>

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities



Product : MYRRH M_0020005

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 <u>Control parameters</u>

National occupational exposure limits (OELs) values: None

8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From BROWN YELLOW to RED
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (℃): >100 ℃
- Evaporation Rate: No data available.



Product : MYRRH M_0020005

MANE

- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 0.0009 mmHg
- Vapor Density: No data available.
- Specific Gravity: 1.01 / 1.03
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.



Product : MYRRH M_0020005

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

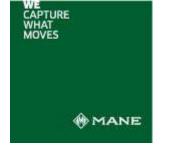
Product Information

LD50 Dermal(mg/kg)	> 5000 (Estimated)
LD50 Oral(mg/kg)	500 (Estimated)
CL50 Inhalation - vapor(mg/l)	> 100 (Estimated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
MYRRH ESSENTIAL OIL	8016-37-3	>= 80 %	> 5000 Estimated	500 Estimated	> 100 Estimated
(-) TRANS BETA CARYOPHYLLENE	87-44-5	>= 1 % - 5 %	> 5000 Estimated	> 5000 Estimated	> 100 Estimated
FARNESOL	4602-84-0	>= 0.1 % - 1 %	> 5000 Estimated	> 5000 Estimated	> 100 Estimated
Alpha PINENE	80-56-8	>= 0.1 % - 1 %	> 5000 Estimated	500 Estimated	> 100 Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	No data available.No data available.
Respiratory Sensitization Reproductive toxicity	No data available.No data available.
Germ cell mutagenicity Serious eye damage/irritation Skin Sensitization	: No data available. : No data available. : No data available.



Product : MYRRH M_0020005

Aspiration Hazard Specific Target Organ - Single		No data available. No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity	Fish
Toxicity	Alga
Toxicity	Water Flea
Toxicity	Rat

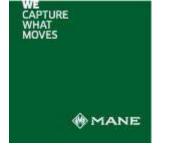
No data available. No data available. No data available. : : No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

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Product : MYRRH M_0020005

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient) Bio Concentration Factor Bioaccumulative potential Mobility in soil Other adverse effects No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

Not regulated

IATA Not regulated

IMDG

Not regulated

RID

Not regulated

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 OTHER INFORMATION



Product : MYRRH M_0020005

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.



Product : MYRRH M_0020005

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



ORANGE M_0020225

1 Identification of the substance/mixture and the company/business

1.1 Product identifier

ORANGE M_0020225				
CAS-No.	:	8028-48-6		
EINECS Number	:	232-433-8		
INDEX NUMBER	:	No data available.		
REACH Registration No.	:	01-2119493353-35-0016		

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911 Other Emergency Numbers :

2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor. Health Dangers Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Environmental hazards Aquatic Acute 1: Very toxic to aquatic life.

Aquatic Acute 1. Very toxic to aquatic life. Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

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DANGER

H226: Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

EUH208: Contains LINALOOL, Alpha PINENE, CITRAL, DELTA 3 CARENE, Beta PINENE, TERPINOLENE, PERILLALDEHYDE, CITRONELLAL. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Endocrine Disruptors: None

Other information: None

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

3 COMPOSITION / INFORMATION ON INGREDIENTS



ORANGE M_0020225

3.1 Substances

CAS-No.:8028-48-6

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
LIMONENES	138-86-3	601-029-00-7	[80 % , 100 %]	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
MYRCENE	123-35-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
LINALOOL	78-70-6	603-235-00-2	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Alpha PINENE	80-56-8		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRAL	5392-40-5	605-019-00-3	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
DELTA 3 CARENE	13466-78-9		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1, H317 Acute Tox. 4 Inhalation, H332 Aquatic Chronic 2, H411
Beta PINENE	127-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TERPINOLENE	586-62-9		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PARACYMENE	99-87-6		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 3 Inhalation, H331 Repr. 2, H361 Aquatic Chronic 2, H411
CITRONELLAL	106-23-0		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
PERILLALDEHYDE	2111-75-3		[0.1 % , 1 %[Skin Sens. 1B, H317

Ingredients having an occupational exposure limit value: See section 8.



ORANGE M_0020225

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 Measures to adopt in case of accidental dispersion

6.1 Personal precautions, protective equipment and emergency procedures

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Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and material for containment and clean-up

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
LIMONENES	138-86-3	[80 % , 100 %]	CHINA: None GERMANY: 28 FRANCE: None



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	INDONESIA: None
	JAPAN: None
	UNITED STATES: 30 (AIHA)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From ORANGE to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 54 °C (129.3 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 0.9 mmHg



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- Vapor Density: No data available.
- Specific Gravity: 0.8420 / 0.8500
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

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10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Hazard class information as defined in Regulation (EC) No. 1272/2008

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
LIMONENES	138-86-3	[80 % , 100 %]	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[0.1 % , 1 %[> 5000	2790	> 100
			Measured	Measured	Estimated
Alpha PINENE	80-56-8	[0.1 % , 1 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
CITRAL	5392-40-5	[0.1 % , 1 %[2250	> 5000	> 100
			Estimated	Estimated	Estimated
DELTA 3 CARENE	13466-78-9	[0.1 % , 1 %[> 5000	4800	11
			Estimated	Measured	Estimated
Beta PINENE	127-91-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	[0.1 % , 1 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
CITRONELLAL	106-23-0	[0.1 % , 1 %[2500	2500	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	[0.1 % , 1 %[> 5000	4750	9.7000
			Estimated	Measured	Measured
PERILLALDEHYDE	2111-75-3	[0.1 % , 1 %[> 5000	2500	> 100
			Estimated	Estimated	Estimated

Serious eye damage/irritation :	No data available.
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Germ cell mutagenicity : No data available.

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Reproductive toxicity	:	No data available.
Specific Target Organ - Single Exposure	:	No data available.
Skin Sensitization	:	No data available.
Cancerogenicity	:	No data available.
Specific Target Organ (NE) -	:	No data available.
Single Exposure Specific Target Organ - Repeated Exposure	:	No data available.
Aspiration Hazard	:	No data available.
Respiratory Sensitization	:	No data available.
Skin corrosion/irritation	:	No data available.

Information on likely routes of exposure

No data available.

Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

Interactive effects

No data available.

11.2 Information on other hazards

Properties interfering with the endocrine system

Not applicable

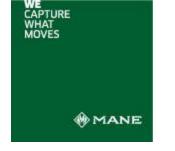
Other information

No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

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ORANGE M_0020225

Product Information

Toxicity Fish Toxicity Alga Toxicity Water Flea No data available.No data available.No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.
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Bio Concentration Factor

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Information on other hazards

Properties interfering with the endocrine system

Not applicable

Other information

No data available.

12.7 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

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: No data available.



ORANGE M_0020225

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>		
	UN number	: 1169
	Transportation name United Nations	: EXTRACTS, AROMATIC, LIQUID
	Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
	Packaging group	: []]
	Environmental dangers	: Yes.
	Tunnel restriction code	: No data available.
<u>IATA</u>	UN number	. 1100
		: 1169 : EXTRACTS, AROMATIC, LIQUID
	Transportation name United Nations Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
	Packaging group	
	Environmental dangers	: Yes.
IMDO		. 103.
	UN number	: 1169
	Transportation name United Nations	: EXTRACTS, AROMATIC, LIQUID POLLUTANT
	Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
	Packaging group	: III
	Environmental dangers	: Yes.
	Marine polutants	: P - pollutant
<u>RID</u>		
	UN number	: 1169
	Transportation name United Nations	: EXTRACTS, AROMATIC, LIQUID
	Danger class(es) for transport	: Classe 3 : FLAMMABLE LIQUIDS
	Packaging group	: []]
	Environmental dangers	: Yes.
	Tunnel restriction code	: No data available.

14.1 Special precautions for user

No recommendation given.

15 Regulatory information

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

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Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
Orange, sweet, ext.	01-2119493353-35-0016

15.2 Chemical safety assessment

No data available.

16 Other information

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.2 Abbreviation and acronyms

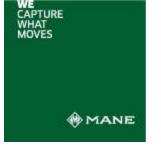
CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 3 Inhalation

: Acute toxicity Category 3 Inhalation

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Acute toxicity Category 4 Inhalation
Acute toxicity Category 4 Oral
Acute hazards to the aquatic environment Category 1
Chronic hazards to the aquatic environment Category 1
Chronic hazards to the aquatic environment Category 2
Chronic hazards to the aquatic environment Category 3
Aspiration hazard Category 1
Serious eye damage/eye irritation Category 2
Flammable liquids Category 3
Toxic for Reproduction Category 2
Skin corrosion/irritation Category 2
Skin sensitizer Category 1
Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



PEPPERMINT E_9521725

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

PEPPERMINT E_9521725			
CAS-No.	:	8006-90-4	
EINECS Number	:	282-015-4	
INDEX NUMBER	:	No data available.	
REACH Registration No.	:	No data available.	

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address Telephone	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE : (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

[x] 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards No hazard specified. Health Dangers Acute Tox. 4 Oral: Harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Irrit. 2: Causes serious eye irritation. Environmental hazards

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements



PEPPERMINT E_9521725





DANGER

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains LINALOOL, CARVONES, TERPINOLENE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances



PEPPERMINT E_9521725

MANE

CAS-No.: 8006-90-4

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
MENTHOL	89-78-1		[20 % , 50 %[Skin irrit. 2, H315 Eye Irrit. 2, H319
MENTHONE	89-80-5		[20 % , 50 %[Skin irrit. 2, H315 Skin Sens. 1B, H317
MENTHOFURAN	494-90-6		[5 % , 10 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
MENTHYL ACETATE	16409-45-3		[5 % , 10 %[Aquatic Chronic 2, H411
EUCALYPTOL	470-82-6		[5 % , 10 %[Flam. Liq. 3, H226 Skin Sens. 1B, H317
ISOMENTHONE	491-07-6		[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1B, H317
NEOMENTHOL	2216-52-6		[1 % , 5 %[Skin irrit. 2, H315
PULEGONE	89-82-7		[1 % , 5 %[Acute Tox. 4 Oral, H302
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[1 % , 5 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-TERPINENOL	562-74-3		[1 % , 5 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319
Beta PINENE	127-91-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alpha PINENE	80-56-8		[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
beta-OCIMENE	13877-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
LINALOOL	78-70-6	603-235-00-2	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
CARVONES	99-49-0	606-148-00-8	[0.1 % , 1 %[Skin Sens. 1B, H317
MYRCENE	123-35-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319



PEPPERMINT E_9521725

MANE

			Aquatic Acute 1, H400 Aquatic Chronic 2, H411
TERPINOLENE	586-62-9	[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-OCTEN-3-OL	3391-86-4	[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4 Inhalation, H332 Aquatic Acute 1, H400

Ingredients having an occupational exposure limit value: See section 8.

3.2 <u>Mixtures</u>

Not applicable

[x] 4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

[x] 5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.



PEPPERMINT E 9521725

5.3 Advice for firefighters

No specific precautions.

[x] 6 ACCIDENTAL RELEASE MEASURES

6.1 <u>Personal precautions, protective equipment and emergency procedures</u>

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

[x] 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CAPTURE WHAT PEPPERMINT E 9521725 MANE

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
LIMONENES	138-86-3	[1 % , 5 %[CHINA: None
			GERMANY: 28
			FRANCE: None
			INDONESIA: None
			UNITED STATES: 30 (AIHA)
Beta PINENE	127-91-3	[1 % , 5 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			UNITED STATES: 20 (ACGIH)
Alpha PINENE	80-56-8	[1 % , 5 %[CHINA: None
			GERMANY: None
			FRANCE: None
			INDONESIA: None
			UNITED STATES: 20 (ACGIH)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID •
- Color: From COLORLESS to YELLOW



PEPPERMINT E_9521725

MANE

- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 75 °C (167 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 0.1 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.9 / 0.91
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

[x] 10 STABILITY AND REACTIVITY

10.1 Reactivity



PEPPERMINT E_9521725

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	1753.5 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
MENTHOL	89-78-1	[20 % , 50 %[> 5000	2600	> 100
			Estimated	Estimated	Estimated
MENTHONE	89-80-5	[20 % , 50 %[> 5000	2500	> 100
			Estimated	Estimated	Estimated
MENTHOFURAN	494-90-6	[5 % , 10 %[> 5000	500	> 100



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			Estimated	Estimated	Estimated
EUCALYPTOL	470-82-6	[5 % , 10 %[> 5000	2480	> 100
			Estimated	Estimated	Estimated
ISOMENTHONE	491-07-6	[1 % , 5 %[> 5000	2500	> 100
			Estimated	Estimated	Estimated
NEOMENTHOL	2216-52-6	[1 % , 5 %[> 5000	2600	> 100
			Estimated	Measured	Estimated
PULEGONE	89-82-7	[1 % , 5 %[3090	500	> 100
			Measured	Estimated	Estimated
(-) TRANS BETA	87-44-5	[1 % , 5 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
4-TERPINENOL	562-74-3	[1 % , 5 %[2500	1300	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[1 % , 5 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[0.1 % , 1 %[> 5000	2790	50
			Measured	Measured	Estimated
CARVONES	99-49-0	[0.1 % , 1 %[3800	> 5000	> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	[0.1 % , 1 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.



PEPPERMINT E_9521725

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

[x] 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	: No data available.
Hydrosolubility	: No data available.
Comments	: None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.
Bio Concentration Factor	:	No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.



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[x] 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(PEPPERMINT ESSENTIAL OIL, Beta PINENE)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND
	Danger class(es) for transport	ARTICLES
	Destasion	
	Packaging group	:
	Environmental dangers	: Yes.
	Tunnel restriction code	:E
IATA		
	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	······································	(PEPPERMINT ESSENTIAL OIL, Beta PINENE)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND
	Danger class(cs) for transport	ARTICLES
	Deelesing group	
	Packaging group	
	Environmental dangers	: Yes.
IMD		
	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(PEPPERMINT ESSENTIAL OIL, Beta PINENE) POLLUTANT
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND
		ARTICLES
	Packaging group	: III
	Environmental dangers	: Yes.
	Marine polutants	: P - pollutant
RID		
<u>KID</u>	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
		(PEPPERMINT ESSENTIAL OIL, Beta PINENE)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND
		ARTICLES
	Packaging group	: III
	Environmental dangers	: Yes.
	Tunnel restriction code	:E



PEPPERMINT E_9521725

14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

No data available.

15.2 Chemical safety assessment

No data available.

[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226 H302 H304 H315 H317 H319 H332 H400 H410	Flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
P261 P273 P280	Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.



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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 4 Inhalation	Acute toxicity Category 4 Inhalation
Acute Tox. 4 Oral	Acute toxicity Category 4 Oral
Aquatic Acute 1	Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 2	Chronic hazards to the aquatic environment Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitizer Category 1
Skin Sens. 1B	Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.



PEPPERMINT E_9521725

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



Product : PETITGRAIN M_0020632

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

PETITGRAIN M_0020632

Your reference : PETITGRAIN BIGARADE PARAGUAY CAS-No. : 8014-17-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 0532-83889090

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

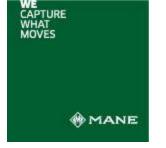
Physical hazards

Flam. Liq. 4: Combustible liquid. Health Dangers Acute Tox. 5 Oral: May be harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Dam. 1: Causes serious eye damage. Environmental hazards Aquatic Acute 2: Toxic to aquatic life.

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Issue date 08 NOV 2022



Product : PETITGRAIN M_0020632

Pictogram



Signal Word

DANGER

Hazard Statements

H227: Combustible liquid.

H303: May be harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.

P370+P378: In case of fire: Use water for extinction.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

Version 1 Model 1



Product : PETITGRAIN M_0020632

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8014-17-3

Component	CAS	Concentration limit	CLASSIFICATION
LINALYL ACETATE	115-95-7	[50 % , 80 %[Flam. Liq. 4, H227 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2B, H320 Aquatic Acute 3, H402
LINALOOL	78-70-6	[20 % , 50 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 3, H402
Alpha TERPINEOL	98-55-5	[5 % , 10 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
GERANYLE ACETATE	105-87-3	[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
beta-OCIMENE	13877-91-3	[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 5 Oral, H303 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
GERANIOL	106-24-1	[1 % , 5 %[Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Acute 3, H402
MYRCENE	123-35-3	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
NERYL ACETATE	141-12-8	[1 % , 5 %[Skin Sens. 1B, H317 Aquatic Acute 2, H401
LIMONENES	138-86-3	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

WE CAPTURE WHAT MOVES

SAFETY DATA SHEET

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NEROL	106-25-2	[1 % , 5 %[Acute Tox. 5 Oral, H303
NEROL	100-23-2	[1 /0 , 5 /0]	Skin irrit. 2, H315
			Skin Sens. 1B, H317
			Eye Irrit. 2A, H319
			Aquatic Acute 2, H401
Beta PINENE	127-91-3	[1 % , 5 %[Flam. Liq. 3, H226
Deta FINENE	127-91-5	[1 /0 , 5 /0]	Asp. Tox. 1, H304
			Skin irrit. 2, H315
			Skin Sens. 1B, H317
			Aquatic Acute 1, H400
			Aquatic Acute 1, 1400 Aquatic Chronic 1, H410
TERPINOLENE	586-62-9	[1 % , 5 %[Flam. Liq. 4, H227
IERPINOLENE	566-62-9	[1 70 , 5 70]	Acute Tox. 5 Oral, H303
			Acute Tox. 5 Oral, H303 Asp. Tox. 1, H304
			· · · · · ·
			Skin irrit. 3, H316 Skin Sens. 1B, H317
			Aquatic Acute 1, H400
			Aquatic Chronic 1, H400
	87-44-5	[1 % , 5 %[Aquatic Chronic 1, H410 Asp. Tox. 1, H304
(-) TRANS BETA CARYOPHYLLENE	87-44-5	[1 % , 5 %[
			Skin Sens. 1B, H317
DELTA 3 CARENE	13466-78-9	[0.1 % , 1 %[Flam. Liq. 3, H226
			Acute Tox. 5 Oral, H303
			Asp. Tox. 1, H304
			Skin irrit. 2, H315
			Skin Sens. 1, H317
			Acute Tox. 4 Inhalation, H332
			Aquatic Acute 2, H401
	00.50.0	TO 4 0/ 4 0/T	Aquatic Chronic 2, H411
Alpha PINENE	80-56-8	[0.1 % , 1 %[Flam. Liq. 3, H226
			Acute Tox. 4 Oral, H302
			Asp. Tox. 1, H304
			Skin irrit. 2, H315
			Skin Sens. 1B, H317
			Aquatic Acute 1, H400
	470.00.0	[0 4 0/ 4 0/]	Aquatic Chronic 1, H410
EUCALYPTOL	470-82-6	[0.1 % , 1 %[Flam. Liq. 3, H226
			Acute Tox. 5 Oral, H303
			Skin Sens. 1B, H317
			Eye Irrit. 2B, H320
	7040 44 4	[0 4 0/ 4 0/]	Aquatic Acute 3, H402
NEROLIDOL	7212-44-4	[0.1 % , 1 %[Skin Sens. 1B, H317
			Eye Irrit. 2B, H320
			Aquatic Acute 1, H400
			Aquatic Chronic 1, H410

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 <u>Personal precautions, protective equipment and emergency procedures</u>

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

Issue date 08 NOV 2022



Product : PETITGRAIN M_0020632

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limits (OELs) values: None

8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.



Product : PETITGRAIN M_0020632

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From LIGHT YELLOW to AMBER YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 74 °C (165.3 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: 0.06 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.8860 / 0.8930
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.



Product : PETITGRAIN M_0020632

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Calculated)
LD50 Oral(mg/kg)	4597.8 (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Calculated)



Product : PETITGRAIN M_0020632

MANE

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
LINALYL ACETATE	115-95-7	>= 50 % - 80 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	>= 20 % - 50 %	> 5000	2790	> 100
			Measured	Measured	Estimated
Alpha TERPINEOL	98-55-5	>= 5 % - 10 %	> 5000	4300	> 100
			Estimated	Estimated	Estimated
GERANYLE ACETATE	105-87-3	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
beta-OCIMENE	13877-91-3	>= 1 % - 5 %	> 5000	5000	> 100
			Estimated	Measured	Estimated
GERANIOL	106-24-1	>= 1 % - 5 %	> 5000	3600	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NERYL ACETATE	141-12-8	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	>= 1 % - 5 %	> 5000	4500	> 100
			Estimated	Measured	Estimated
TERPINOLENE	586-62-9	>= 1 % - 5 %	> 5000	3850	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	>= 1 % - 5 %	> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
DELTA 3 CARENE	13466-78-9	>= 0.1 % - 1 %	> 5000	4800	11
			Estimated	Measured	Estimated
Alpha PINENE	80-56-8	>= 0.1 % - 1 %	> 5000	500	> 100
			Estimated	Estimated	Estimated
NEROLIDOL	7212-44-4	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Measured	Estimated	Estimated
EUCALYPTOL	470-82-6	>= 0.1 % - 1 %	> 5000	2480	> 100
			Estimated	Estimated	Estimated

Serious eye damage/irritation Germ cell mutagenicity Reproductive toxicity Specific Target Organ - Single Exposure	: : :	No data available. No data available. No data available. No data available.
Skin Sensitization Cancerogenicity	:	No data available. No data available.
Specific Target Organ (NE) - Single Exposure	:	No data available.
Specific Target Organ - Repeated Exposure	:	No data available.
Aspiration Hazard	:	No data available.
Respiratory Sensitization	:	No data available.
Skin corrosion/irritation	:	No data available.

11.2 Information on likely routes of exposure



Product : PETITGRAIN M_0020632

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.
Toxicity Rat	:	No data available.

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments

- : No data available.
- : No data available.
- : None

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient) : No data

: No data available.

Issue date 08 NOV 2022

Version 1 Model 1



Product : PETITGRAIN M_0020632

Bio Concentration Factor Bioaccumulative potential Mobility in soil Other adverse effects No data available.
No data available.
No data available.
No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PETIGRAIN BIGARADE ESSENTIAL OIL, MYRCENE) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES : III : Yes.
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PETIGRAIN BIGARADE ESSENTIAL OIL, MYRCENE) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES : III : Yes.
IMDO	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PETIGRAIN BIGARADE ESSENTIAL OIL, MYRCENE) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES : III : Yes. : P - pollutant
	UN number Transportation name United Nations Danger class(es) for transport	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PETIGRAIN BIGARADE ESSENTIAL OIL, MYRCENE) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND

Issue date 08 NOV 2022

Version 1 Model 1



Product : PETITGRAIN M_0020632

Packaging group Environmental dangers ARTICLES : III : Yes.

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 Other information

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.



Product : PETITGRAIN M_0020632

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P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.
P370+P378	In case of fire: Use water for extinction.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



ROMAN CHAMOMILE M_0040010

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

	ROMAN CHAMOMILE M_0040010
CAS-No.	: 8015-92-7
EINECS Number	: 283-467-5
INDEX NUMBER	: No data available.
REACH Registration No.	: No data available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

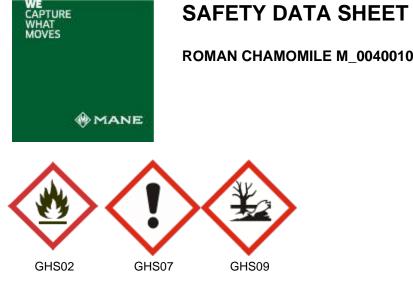
[x] 2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

<u>Physical hazards</u>
Flam. Liq. 3: Flammable liquid and vapor.
<u>Health Dangers</u>
Skin Sens. 1: May cause an allergic skin reaction.
<u>Environmental hazards</u>
Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements



WARNING

H226: Flammable liquid and vapor.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P363: Wash contaminated clothing before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

EUH208: Contains Beta PINENE, (-) TRANS BETA CARYOPHYLLENE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8015-92-7



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Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
Alpha PINENE	80-56-8		[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester	97-86-9	607-113-00-X	[1 % , 5 %[Flam. Liq. 3, H226 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 STOT SE 3 (RI), H335 Aquatic Acute 1, H400
CAMPHENE	79-92-5		[0.1 % , 1 %[Flam. Sol. 2, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Beta PINENE	127-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

[x] 4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.



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4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

[x] 5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

[x] 6 ACCIDENTAL RELEASE MEASURES

6.1 <u>Personal precautions, protective equipment and emergency procedures</u>

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 <u>Environmental precautions</u>

There must be no release into the environment.

6.3 <u>Methods and materials for containment and cleanup procedure</u>

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

[x] 7 HANDLING AND STORAGE



ROMAN CHAMOMILE M_0040010

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 <u>Control parameters</u>

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
Alpha PINENE	80-56-8	[1 % , 5 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None UNITED STATES: 20 (ACGIH)
LIMONENES	138-86-3	[1 % , 5 %[CHINA: None GERMANY: 28 FRANCE: None INDONESIA: None UNITED STATES: 30 (AIHA)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.



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Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 58 °C (136.4 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.9 / 0.91
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.



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- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

[x] 10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information



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LD50 Dermal(mg/kg)	> 5000 (Estimated)
LD50 Oral(mg/kg)	> 5000 (Estimated)
CL50 Inhalation - vapor(mg/l)	> 100 (Estimated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
Alpha PINENE	80-56-8	[1 % , 5 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
2-Propenoic acid, 2-methyl-, 2-	97-86-9	[1 % , 5 %[> 5000	> 5000	> 100
methylpropyl ester			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	[0.1 % , 1 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	•	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects



ROMAN CHAMOMILE M_0040010

No data available.

11.6 Other information

No other information noted.

[x] 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	: No data available.
Hydrosolubility	: No data available.
Comments	: None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient) : No data available.

Bio Concentration Factor

: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

[x] 13 DISPOSAL CONSIDERATIONS



ROMAN CHAMOMILE M_0040010

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

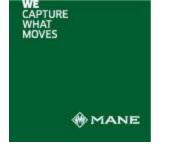
ΙΑΤΑ	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.
IMDO	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.
	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Marine polutants	: 1169 : EXTRACTS, AROMATIC, LIQUID POLLUTANT : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : P - pollutant
<u>RID</u>	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.

14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or



ROMAN CHAMOMILE M_0040010

<u>mixture</u>

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

No data available.

15.2 Chemical safety assessment

No data available.

[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
	May cause respiratory irritation.
H335	Very toxic to aquatic life.
H400	Very toxic to aquatic life with long lasting effects.
H410	
H411	Toxic to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P370+P378	In case of fire: Use water for extinction.
P391	Collect spillage.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.



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P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 4 Oral	: Acute toxicity Category 4 Oral
Aquatic Acute 1	: Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	: Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 2	: Chronic hazards to the aquatic environment Category 2
Asp. Tox. 1	: Aspiration hazard Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
Flam. Liq. 3	: Flammable liquids Category 3
Flam. Sol. 2	: Flammable solid Category 2
Skin irrit. 2	: Skin corrosion/irritation Category 2
Skin Sens. 1	: Skin sensitizer Category 1
Skin Sens. 1B	: Skin sensitizer Category 1B
STOT SE 3 (RI)	: Specific target organ toxicity - single exposure Category 3 Respiratory Tract

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.



ROMAN CHAMOMILE M_0040010

MANE

This automatically generated safety data sheet is valid without signature.



Product : ROSE TURKEY M_0040083

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

ROSE TURKEY M_0040083

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone number	: NCEC (regional) +65 3158 1074 / (local) 007 803 011 0293
Official advisory body number	: (62) 21 893 7640

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards

Flam. Liq. 4: Combustible liquid. Health Dangers Acute Tox. 5 Oral: May be harmful if swallowed. Acute tox. 5 Dermal: May be harmful in contact with skin. Skin irrit. 3: Causes mild skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Irrit. 2A: Causes serious eye irritation. Environmental hazards Aquatic Acute 3: Harmful to aquatic life.

Aquatic Acute 3: Harmful to aquatic life. Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Pictogram



Product : ROSE TURKEY M_0040083





Signal Word

WARNING

Hazard Statements

H227: Combustible liquid.

H303+H313: May be harmful if swallowed or in contact with skin.

H316: Causes mild skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P370+P378: In case of fire: Use water for extinction.

P305+P351+P338: IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see this label).

P363: Wash contaminated clothing before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS



Product : ROSE TURKEY M_0040083

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3.1 Substances

CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	Concentration limit	CLASSIFICATION
PHENETHYL ALCOHOL	60-12-8	[20 % , 50 %[Acute Tox. 4 Oral, H302 Acute tox. 5 Dermal, H313 Skin irrit. 3, H316 Eye Irrit. 2A, H319
ROSE ABS TURKEY	8007-01-0	[20 % , 50 %[Acute tox. 5 Dermal, H313
CITRONELLOL	106-22-9	[1 % , 5 %[Acute Tox. 5 Oral, H303 Acute tox. 5 Dermal, H313 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
GERANIOL	106-24-1	[1 % , 5 %[Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Acute 3, H402
ETHYL ALCOHOL	64-17-5	[1 % , 5 %[Flam. Liq. 2, H225 Eye Irrit. 2A, H319
NEROL	106-25-2	[1 % , 5 %[Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
BENZYL ALCOHOL	100-51-6	[1 % , 5 %[Acute Tox. 4 Oral, H302 Acute tox. 5 Dermal, H313 Eye Irrit. 2A, H319
EUGENOL	97-53-0	[0.1 % , 1 %[Acute Tox. 5 Oral, H303 Skin irrit. 3, H316 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
METHYL EUGENOL	93-15-2	[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 2, H401
FARNESOL	4602-84-0	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRAL	5392-40-5	[0.1 % , 1 %[Acute tox. 5 Dermal, H313 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
(-) TRANS BETA CARYOPHYLLENE	87-44-5	[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317



Product : ROSE TURKEY M_0040083

Ingredients having an occupational exposure limit value: See section 8.

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.



Product : ROSE TURKEY M_0040083

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limits (OELs) values: None

8.2 Exposure controls



Product : ROSE TURKEY M_0040083

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From ORANGE to RED
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 66 °C (150.9 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.9550 / 0.9950
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.



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- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.



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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	2754.3 (Calculated)
LD50 Oral(mg/kg)	2421.5 (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
PHENETHYL ALCOHOL	60-12-8	>= 20 % - 50 %	2500	1610	> 100
			Estimated	Estimated	Estimated
ROSE ABS TURKEY	8007-01-0	>= 20 % - 50 %	2500 Estimated	> 5000 Estimated	> 100 Estimated
CITRONELLOL	106-22-9	>= 1 % - 5 %	2650	3450	> 100
			Estimated	Estimated	Estimated
GERANIOL	106-24-1	>= 1 % - 5 %	> 5000	3600	> 100
			Estimated	Estimated	Estimated
ETHYL ALCOHOL	64-17-5	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	>= 1 % - 5 %	> 5000	4500	> 100
			Estimated	Measured	Estimated
BENZYL ALCOHOL	100-51-6	>= 1 % - 5 %	2500	1620	> 100
			Estimated	Measured	Estimated
EUGENOL	97-53-0	>= 0.1 % - 1 %	> 5000	2300	> 100
			Estimated	Estimated	Estimated
METHYL EUGENOL	93-15-2	>= 0.1 % - 1 %	> 5000	810	> 100
			Estimated	Estimated	Estimated
FARNESOL	4602-84-0	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
CITRAL	5392-40-5	>= 0.1 % - 1 %	2250	> 5000	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	>= 0.1 % - 1 %	> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated

Serious eye damage/irritation Germ cell mutagenicity Reproductive toxicity Specific Target Organ - Single Exposure	: : :	No data available. No data available. No data available. No data available.
Skin Sensitization Cancerogenicity Specific Target Organ (NE) - Single Exposure	::	No data available. No data available. No data available.
Specific Target Organ - Repeated Exposure	:	No data available.
Aspiration Hazard Respiratory Sensitization	:	No data available. No data available.



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Skin corrosion/irritation

: No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

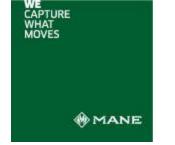
Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.
Toxicity Rat	:	No data available.

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments : No data available. : No data available. : None

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents,



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the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient) Bio Concentration Factor Bioaccumulative potential Mobility in soil Other adverse effects No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

ADR Not regulated IATA Not regulated IMDG Not regulated RID Not regulated

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 Other information

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H225Highly flammable liquid and vapor.H227Combustible liquid.



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H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H303+H313	May be harmful if swallowed or in contact with skin.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical advice
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P370+P378	In case of fire: Use water for extinction.
P305+P351+P338	IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if
	present.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50% CL50: Concentration Lethal at 50% UN: United Nation



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ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



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[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

ROSEMARY M_0020246

Your reference	: M_0020246 ROSEMARY
CAS-No.	: 8000-25-7
EINECS Number	: 283-291-9
INDEX NUMBER	: No data available.
REACH Registration No.	: 01-2120086955-39-0002

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier: V. MANE FilsAddress: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCETelephone: (33).4.93.09.70.00 (Only during office hours)e-mail: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911

[x] 2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards

Flam. Liq. 3: Flammable liquid and vapor. Health Dangers Acute Tox. 4 Oral: Harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Dam. 1: Causes serious eye damage. STOT-SE 2: May cause damage to organs. Environmental hazards Aquatic Acute 1: Very toxic to aquatic life.

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Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects.

2.2 Label elements



DANGER

H226: Flammable liquid and vapor.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H371: May cause damage to organs.

H410: Very toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.

P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P370+P378: In case of fire: Use water for extinction.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

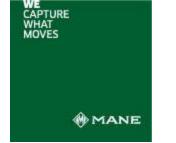
P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.



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EUH208: Contains TERPINOLENE, 1-OCTEN-3-OL, DELTA 3 CARENE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8000-25-7

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
EUCALYPTOL	470-82-6		[50 % , 80 %[Flam. Liq. 3, H226 Skin Sens. 1B, H317
CAMPHOR	76-22-2		[10 % , 20 %[Flam. Sol. 2, H228 Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4 Inhalation, H332 STOT-SE 2, H371 Aquatic Chronic 2, H411
Alpha PINENE	80-56-8		[10 % , 20 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Beta PINENE	127-91-3		[10 % , 20 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CAMPHENE	79-92-5		[5 % , 10 %[Flam. Sol. 2, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-TERPINENOL	562-74-3		[5 % , 10 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4 Inhalation, H332 STOT SE 3 (NE), H336
BORNEOL	507-70-0		[5 % , 10 %[Flam. Sol. 2, H228 Skin irrit. 2, H315 Aquatic Chronic 2, H411
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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Alpha TERPINEOL	98-55-5		[1 % , 5 %[Skin irrit. 2, H315 Eye Irrit. 2, H319
MYRCENE	123-35-3		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
PARACYMENE	99-87-6		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361 Aquatic Chronic 2, H411
GAMMA TERPINENE	99-85-4		[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361
LINALOOL	78-70-6	603-235-00-2	[1 % , 5 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Alpha TERPINENE	99-86-5		[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
TERPINOLENE	586-62-9		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-OCTEN-3-OL	3391-86-4		[0.1 % , 1 %[Acute Tox. 3 Oral, H301 Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Acute Tox. 4 Inhalation, H332
Alpha PHELLANDRENE	99-83-2		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
beta-OCIMENE	13877-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
DELTA 3 CARENE	13466-78-9		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1, H317 Acute Tox. 4 Inhalation, H332 Aquatic Chronic 1, H410

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.



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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

[x] 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

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6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

[x] 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
CAMPHOR	76-22-2	[10 % , 20 %[CHINA: None GERMANY: 13 FRANCE: 12 INDONESIA: 12 JAPAN: 2 (ACGIH) UNITED STATES: 2 (ACGIH)
Alpha PINENE	80-56-8	[10 % , 20 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None JAPAN: 20 (ACGIH) UNITED STATES: 20 (ACGIH)
Beta PINENE	127-91-3	[10 % , 20 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None JAPAN: 20 (ACGIH)

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			UNITED STATES: 20 (ACGIH)
LIMONENES	138-86-3	[1 % , 5 %[CHINA: None
			GERMANY: 28
			FRANCE: None
			INDONESIA: None
			JAPAN: None
			UNITED STATES: 30 (AIHA)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 44 °C (111.2 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.

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- Vapor pressure: 1 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.9070 / 0.9160
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

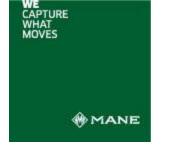
Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

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Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	1353.1 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	41.310 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
EUCALYPTOL	470-82-6	[50 % , 80 %[> 5000	2480	> 100
			Estimated	Estimated	Estimated
CAMPHOR	76-22-2	[10 % , 20 %[> 5000	1500	11
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[10 % , 20 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[10 % , 20 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
4-TERPINENOL	562-74-3	[5 % , 10 %[2500	1300	11
			Estimated	Estimated	Estimated
BORNEOL	507-70-0	[5 % , 10 %[> 5000	2500	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Alpha TERPINEOL	98-55-5	[1 % , 5 %[> 5000	4300	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	[1 % , 5 %[> 5000	4750	> 100
			Estimated	Estimated	Estimated
MYRCENE	123-35-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
GAMMA TERPINENE	99-85-4	[1 % , 5 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[1 % , 5 %[> 5000	2790	> 100
			Measured	Measured	Estimated

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Alpha TERPINENE	99-86-5	[1 % , 5 %[> 5000 1680		> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	[0.1 % , 1 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
1-OCTEN-3-OL	3391-86-4	[0.1 % , 1 %[3300	175	11
			Measured	Measured	Estimated
DELTA 3 CARENE	13466-78-9	[0.1 % , 1 %[> 5000	4800	11
			Estimated	Measured	Estimated

Skin corrosion/irritation	:	No data available.
Specific Target Organ - Repeated Exposure	:	No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

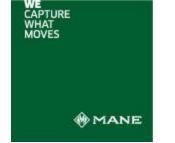
No data available.

11.6 Other information

No other information noted.

[x] 12 ECOLOGICAL INFORMATION

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12.1 Toxicity

Product Information

Toxicity Fish Toxicity Alga Toxicity Water Flea

- : No data available.
- : No data available.
- : No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient) : No data available.

Bio Concentration Factor

: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).



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MANE

[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

	UN number Transportation name United Nations Danger class(es) for transport Packaging group	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III
	Environmental dangers Tunnel restriction code	: Yes. : No data available.
IATA		. No dala avaliable.
IMDO	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.
<u></u>	UN number	: 1169
	Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers	: EXTRACTS, AROMATIC, LIQUID POLLUTANT : Classe 3 : FLAMMABLE LIQUIDS : III : Yes.
חוח	Marine polutants	: P - pollutant
<u>RID</u>	UN number Transportation name United Nations Danger class(es) for transport Packaging group Environmental dangers Tunnel restriction code	: 1169 : EXTRACTS, AROMATIC, LIQUID : Classe 3 : FLAMMABLE LIQUIDS : III : Yes. : No data available.

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
Rosemary, ext.	01-2120086955-39-0002

15.2 Chemical safety assessment

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No data available.

[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P370+P378	In case of fire: Use water for extinction.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.

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P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Acute Tox. 3 Oral:Acute Tox. 4 Oral:Aquatic Acute 1:Aquatic Chronic 1:Aquatic Chronic 2:Aquatic Chronic 3:Asp. Tox. 1:Eye Dam. 1:Eye Irrit. 2:Flam. Liq. 3:	Acute toxicity Category 4 Inhalation Acute toxicity Category 3 Oral Acute toxicity Category 4 Oral Acute hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 2 Chronic hazards to the aquatic environment Category 3 Aspiration hazard Category 1 Serious eye damage/eye irritation Category 1 Serious eye damage/eye irritation Category 2 Flammable liquids Category 3
Aquatic Chronic 3	Chronic hazards to the aquatic environment Category 3
•	
Eye Dam. 1 :	Serious eye damage/eye irritation Category 1
Eye Irrit. 2 :	Serious eye damage/eye irritation Category 2
Flam. Liq. 3 :	Flammable liquids Category 3
Flam. Sol. 2 :	Flammable solid Category 2
Repr. 2 :	Toxic for Reproduction Category 2
Skin irrit. 2 :	Skin corrosion/irritation Category 2
Skin Sens. 1 :	Skin sensitizer Category 1
Skin Sens. 1B :	Skin sensitizer Category 1B
STOT-SE 2 :	Specific target organ toxicity - single exposure Category 2
STOT SE 3 (NE) :	Specific target organ toxicity - single exposure Category 3 Narcotic effect.

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The



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information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



ROSEWOOD E_9514253/01

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

ROSEWOOD E_9514253/01

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier Address Telephone e-mail : V. MANE Fils : 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE : (33).4.93.09.70.00 (Only during office hours) : FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

[x] 2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards No hazard specified. <u>Health Dangers</u> Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Irrit. 2: Causes serious eye irritation. <u>Environmental hazards</u>

Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements



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WARNING
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains GERANIOL, EUCALYPTOL, (-) TRANS BETA CARYOPHYLLENE, Alpha PINENE, NEROL, NEROLIDOL, CITRONELLOL. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	INDEX	Concentration	CLASSIFICATION
•		NUMBER	limit	ACCORDING Reg.

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Product : E_9514253/01



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				1272/2008/CE
LINALOOL	78-70-6	603-235-00-2	[80 % , 100 %]	Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Alpha TERPINEOL	98-55-5		[1 % , 5 %[Skin irrit. 2, H315 Eye Irrit. 2, H319
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
GERANIOL	106-24-1		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
EUCALYPTOL	470-82-6		[0.1 % , 1 %[Flam. Liq. 3, H226 Skin Sens. 1B, H317
BENZYL BENZOATE	120-51-4	607-085-00-9	[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317
Alpha PINENE	80-56-8		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
NEROL	106-25-2		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318
NEROLIDOL	7212-44-4		[0.1 % , 1 %[Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CITRONELLOL	106-22-9		[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

[x] 4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.



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4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

[x] 5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

[x] 6 ACCIDENTAL RELEASE MEASURES

6.1 <u>Personal precautions, protective equipment and emergency procedures</u>

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 <u>Methods and materials for containment and cleanup procedure</u>

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

[x] 7 HANDLING AND STORAGE



ROSEWOOD E_9514253/01

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

FRANCE: None GERMANY: None UNITED STATES: None CHINA: None INDONESIA: None

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.



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[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 76 °C (168.8 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.854 / 0.884
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.



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9.2 Other information

No other information noted.

[x] 10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	2794.6 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	53.420 (Unknown: 0%) (Calculated)



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Component Information

Component	CAS	Concentration limit	LD50 Dermal	LD50 Oral	CL50 Inhalation - vapor
			(mg/kg)	(mg/kg)	(mg/l)
LINALOOL	78-70-6	[80 % , 100 %]	> 5000	2790	50
			Measured	Measured	Estimated
Alpha TERPINEOL	98-55-5	[1 % , 5 %[> 5000	4300	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
GERANIOL	106-24-1	[0.1 % , 1 %[> 5000	3600	> 100
			Estimated	Estimated	Estimated
EUCALYPTOL	470-82-6	[0.1 % , 1 %[> 5000	2480	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	[0.1 % , 1 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[0.1 % , 1 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	[0.1 % , 1 %[> 5000	4500	> 100
			Estimated	Measured	Estimated
NEROLIDOL	7212-44-4	[0.1 % , 1 %[> 5000	> 5000	> 100
		_	Measured	Estimated	Estimated
CITRONELLOL	106-22-9	[0.1 % , 1 %[2650	3450	> 100
		_	Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.



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11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

[x] 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.

Bio Concentration Factor

: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.



ROSEWOOD E_9514253/01

[x] 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

- Not regulated
- IATA Not regulated

<u>IMDG</u>

Not regulated

<u>RID</u>

Not regulated

14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

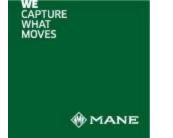
Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
linalool	01-2119474016-42-XXXX
orange, sweet, ext.	01-2119493353-35-XXXX

15.2 Chemical safety assessment

No data available.



ROSEWOOD E_9514253/01

[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in
	accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.
1 212	containing of our not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes



ROSEWOOD E_9514253/01

Acute Tox. 4 Oral Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 3 Skin irrit. 2 Skin Sens. 1 Skin Sens. 1B	 Acute toxicity Category 4 Oral Acute hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 1 Chronic hazards to the aquatic environment Category 2 Chronic hazards to the aquatic environment Category 3 Aspiration hazard Category 1 Serious eye damage/eye irritation Category 1 Serious eye damage/eye irritation Category 2 Flammable liquids Category 3 Skin corrosion/irritation Category 2 Skin sensitizer Category 1 Skin sensitizer Category 1
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16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



SANDALWOOD E_9400507

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

		SANDALWOOD E_9400507
CAS-No.	:	8006-87-9
EINECS Number	:	284-111-1
INDEX NUMBER	:	No data available.
REACH Registration No.	:	01-2120765150-63-XXXX

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911

[x] 2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

<u>Physical hazards</u>
No hazard specified.
<u>Health Dangers</u>
Skin Sens. 1: May cause an allergic skin reaction.
<u>Environmental hazards</u>
Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

2.2 Label elements



SANDALWOOD E_9400507





WARNING H317: May cause an allergic skin reaction. H412: Harmful to aquatic life with long lasting effects.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see this label).

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains LIMONENES, NEROLIDOL. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8006-87-9

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
Alpha-Santalol	115-71-9		[50 % , 80 %[Skin Sens. 1B, H317
b-SANTALOL	77-42-9		[20 % , 50 %[Skin Sens. 1B, H317
LIMONENES	138-86-3	601-029-00-7	[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
NEROLIDOL	7212-44-4		[0.1 % , 1 %[Skin Sens. 1B, H317



SANDALWOOD E_9400507

				Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

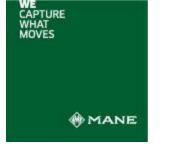
5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES



SANDALWOOD E_9400507

6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 <u>Reference to other sections</u>

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

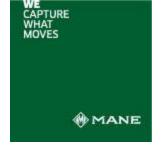
No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values



SANDALWOOD E_9400507

FRANCE: None GERMANY: None UNITED STATES: None CHINA: None INDONESIA: None JAPAN: None

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From YELLOW to AMBER YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): >100 °C
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.



SANDALWOOD E_9400507

MANE

- Vapor pressure: 0.0009 mmHg
- Vapor Density: No data available.
- Specific Gravity: 0.9650 / 0.9850
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid



SANDALWOOD E_9400507

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

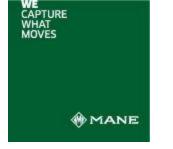
Product Information

LD50 Dermal(mg/kg)	> 5000 (Unknown: 10.56%) (Calculated)
LD50 Oral(mg/kg)	3803.2 (Unknown: 10.56%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 10.56%) (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
		limit	(mg/kg)	(mg/kg)	- vapor
					(mg/l)
Alpha-Santalol	115-71-9	[50 % , 80 %[> 5000	3800	> 100
			Estimated	Measured	Estimated
b-SANTALOL	77-42-9	[20 % , 50 %[> 5000	3800	> 100
			Estimated	Estimated	Estimated
NEROLIDOL	7212-44-4	[0.1 % , 1 %[> 5000	> 5000	> 100
			Measured	Estimated	Estimated
LIMONENES	138-86-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation	:	No data available.
Specific Target Organ - Repeated Exposure		No data available.
Respiratory Sensitization		No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	÷	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.



SANDALWOOD E_9400507

Single Exposure Cancerogenicity

: No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments : No data available.

- : No data available.
- : None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient) : No data available.

Issue date 30 SEP 2021

Version 3 Model 7



SANDALWOOD E_9400507

Bio Concentration Factor

: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

ADR Not regulated IATA Not regulated IMDG Not regulated RID Not regulated

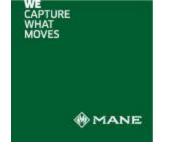
14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or

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Issue date 30 SEP 2021
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SANDALWOOD E_9400507

<u>mixture</u>

Water Hazard Class (WGK): WGK 2 (Hazard to waters)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
Sandalwood, ext.	01-2120765150-63-XXXX

15.2 Chemical safety assessment

No data available.

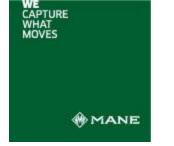
16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226 H304 H315 H317 H400	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
H410	
H412	Harmful to aquatic life with long lasting effects.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods



SANDALWOOD E_9400507

IATA : International Air Transport Association

Classification codes	
Aquatic Acute 1	: Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1	: Chronic hazards to the aquatic environment Category 1
Aquatic Chronic 3	: Chronic hazards to the aquatic environment Category 3
Asp. Tox. 1	: Aspiration hazard Category 1
Flam. Liq. 3	: Flammable liquids Category 3
Skin irrit. 2	: Skin corrosion/irritation Category 2
Skin Sens. 1	: Skin sensitizer Category 1
Skin Sens. 1B	: Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

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This automatically generated safety data sheet is valid without signature.



TEA TREE M_0053845

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

		TEA TREE M_0053845		
CAS-No.	:	68647-73-4		
EINECS Number	:	285-377-1		
INDEX NUMBER	:	No data available.		
REACH Registration No.	:	01-2120743651-57-XXXX		

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

Physical hazards
No hazard specified.
Health Dangers
Acute Tox. 4 Oral: Harmful if swallowed.
Asp. Tox. 1: May be fatal if swallowed and enters airways.
Skin irrit. 2: Causes skin irritation.
Skin Sens. 1: May cause an allergic skin reaction.
Eye Irrit. 2: Causes serious eye irritation.
Repr. 2: Suspected of damaging fertility or the unborn child.
Environmental hazards
Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.



TEA TREE M_0053845

2.2 Label elements



DANGER

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H361: Suspected of damaging fertility or the unborn child.

H411: Toxic to aquatic life with long lasting effects.

P281: Use personal protective equipment as required.

P201: Obtain special instructions before use.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains Beta PINENE, (-) TRANS BETA CARYOPHYLLENE, LINALOOL, ESTRAGOLE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None

Other information: None

For a complete list of references and phrases mentioned in this chapter, see chapter 16.



TEA TREE M_0053845

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 68647-73-4

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE	
4-TERPINENOL	562-74-3		[20 % , 50 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Eye Irrit. 2, H319	
GAMMA TERPINENE	99-85-4		[20 % , 50 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361	
Alpha TERPINENE	99-86-5		[10 % , 20 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	
Alpha TERPINEOL	98-55-5		[5 % , 10 %[Skin irrit. 2, H315 Eye Irrit. 2, H319	
TERPINOLENE	586-62-9		[5 % , 10 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
PARACYMENE	99-87-6		[5 % , 10 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361 Aquatic Chronic 2, H411	
Alpha PINENE	80-56-8		[1 % , 5 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
LIMONENES	138-86-3	601-029-00-7	[1 % , 5 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
EUCALYPTOL	470-82-6		[1 % , 5 %[Flam. Liq. 3, H226 Skin Sens. 1B, H317	
MYRCENE	123-35-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	
Beta PINENE	127-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
(-) TRANS BETA CARYOPHYLLENE	87-44-5		[0.1 % , 1 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317	



TEA TREE M_0053845

MANE

				Aquatic Chronic 4, H413
beta-OCIMENE	13877-91-3		[0.1 % , 1 %[Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
ESTRAGOLE	140-67-0		[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Skin irrit. 2, H315 Skin Sens. 1B, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Chronic 3, H412
LINALOOL	78-70-6	603-235-00-2	[0.1 % , 1 %[Skin irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319

Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

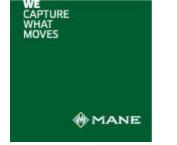
Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture



TEA TREE M 0053845

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 <u>Personal precautions, protective equipment and emergency procedures</u>

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.



TEA TREE M_0053845

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

Component	CAS	Concentration limit	VLEP-8h (mg/m3)
Alpha PINENE	80-56-8	[1 % , 5 %[CHINA: None GERMANY: None FRANCE: None INDONESIA: None JAPAN: 20 (ACGIH) UNITED STATES: 20 (ACGIH)
LIMONENES	138-86-3	[1 % , 5 %[CHINA: None GERMANY: 28 FRANCE: None INDONESIA: None JAPAN: None UNITED STATES: 30 (AIHA)

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From COLORLESS to YELLOW



TEA TREE M_0053845

MANE

- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 65 °C (149 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.888 / 0.908
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 <u>Reactivity</u>



TEA TREE M_0053845

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	4140.1 (Unknown: 0%) (Calculated)
LD50 Oral(mg/kg)	1613.3 (Unknown: 0%) (Calculated)
CL50 Inhalation - vapor(mg/l)	> 100 (Unknown: 0%) (Calculated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/l)
4-TERPINENOL	562-74-3	[20 % , 50 %[2500	1300	> 100
			Estimated	Estimated	Estimated
GAMMA TERPINENE	99-85-4	[20 % , 50 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
Alpha TERPINENE	99-86-5	[10 % , 20 %[> 5000	1680	> 100

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			Estimated	Estimated	Estimated
Alpha TERPINEOL	98-55-5	[5 % , 10 %[> 5000	4300	> 100
			Estimated	Estimated	Estimated
TERPINOLENE	586-62-9	[5 % , 10 %[> 5000	3850	> 100
			Estimated	Estimated	Estimated
PARACYMENE	99-87-6	[5 % , 10 %[> 5000	4750	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[1 % , 5 %[> 5000	500	> 100
			Estimated	Estimated	Estimated
EUCALYPTOL	470-82-6	[1 % , 5 %[> 5000	2480	> 100
			Estimated	Estimated	Estimated
LIMONENES	138-86-3	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
Beta PINENE	127-91-3	[0.1 % , 1 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
(-) TRANS BETA	87-44-5	[0.1 % , 1 %[> 5000	> 5000	> 100
CARYOPHYLLENE			Estimated	Estimated	Estimated
ESTRAGOLE	140-67-0	[0.1 % , 1 %[> 5000	1230	> 100
			Estimated	Estimated	Estimated
LINALOOL	78-70-6	[0.1 % , 1 %[> 5000	2790	> 100
			Measured	Measured	Estimated

Skin corrosion/irritation	:	No data available.
Specific Target Organ - Repeated	:	No data available.
Exposure		
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects



TEA TREE M_0053845

No data available.

11.6 Other information

No other information noted.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	:	No data available.
Toxicity Alga	:	No data available.
Toxicity Water Flea	:	No data available.

12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient) : No data available.

Bio Concentration Factor

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 DISPOSAL CONSIDERATIONS

Issue date 17 JUN 2020

: No data available.



TEA TREE M_0053845

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

<u>/ 12 / 1</u>	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	Danger class(es) for transport	(TEA TREE ESSENTIAL OIL, Alpha PINENE) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
ΙΑΤΑ	Packaging group Environmental dangers Tunnel restriction code	: III : Yes. : E
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEA TREE ESSENTIAL OIL, Alpha PINENE)
	Danger class(es) for transport	Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group Environmental dangers	: III : Yes.
IMDO		. 2000
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEA TREE ESSENTIAL OIL, Alpha PINENE) POLLUTANT
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group	: III
	Environmental dangers	: Yes.
RID	Marine polutants	: P - pollutant
	UN number	: 3082
	Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TEA TREE ESSENTIAL OIL, Alpha PINENE)
	Danger class(es) for transport	Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND
	Packaging group	: 111
	Environmental dangers	: Yes.
	Tunnel restriction code	: E

14.1 Special precautions for user



TEA TREE M_0053845

No recommendation given.

15 REGULATORY INFORMATION

15.1 <u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>

Water Hazard Class (WGK): WGK 3 (Severe hazard to water)

Regulation (EC) No 1907/2006, if relevant :

REACH	REACH Registration No.
Melaleuca alternifolia, ext.	01-2120743651-57-XXXX

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P281	Use personal protective equipment as required.
P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do

Issue date 17 JUN 2020



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NOT induce vomiting.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.Rinse mouth.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
Collect spillage.
Specific treatment (see this label).
Take off contaminated clothing and wash before reuse.
Store locked up.
Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association

Classification codes

Aquatic Chronic 2: Chronic hazards to the aquatic environment Category 2Aquatic Chronic 3: Chronic hazards to the aquatic environment Category 3Aquatic Chronic 4: Chronic hazards to the aquatic environment Category 4Asp. Tox. 1: Aspiration hazard Category 1Carc. 2: Carcinogenicity Category 2Eye Irrit. 2: Serious eye damage/eye irritation Category 2Flam. Liq. 3: Flammable liquids Category 3Muta. 2: Germ cell mutagenicity Category 2Repr. 2: Skin corrosion/irritation Category 2Skin Sens. 1: Skin sensitizer Category 1Skin Sens. 1B: Skin sensitizer Category 1B



TEA TREE M_0053845

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



VETYVER ROOT M_0053863

[x] 1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

		VETYVER ROOT M_0053863
CAS-No.	:	8016-96-4
EINECS Number	:	282-490-8
INDEX NUMBER	:	No data available.
REACH Registration No.	:	No data available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Supplier	: V. MANE Fils
Address	: 620, Route de GRASSE- 06620 LE-BAR-SUR-LOUP- FRANCE
Telephone	: (33).4.93.09.70.00 (Only during office hours)
e-mail	: FR-BSL.REG-SDS@MANE.com

1.4 Emergency telephone number

Emergency telephone : (33).4.93.09.70.00 - (France ORFILA 01.45.42.59.59)

[x] 2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

CLASSIFICATION ACCORDING Reg. 1272/2008/CE

<u>Physical hazards</u>
No hazard specified.
<u>Health Dangers</u>
Skin Sens. 1: May cause an allergic skin reaction.
<u>Environmental hazards</u>
No hazard specified.

2.2 Label elements



VETYVER ROOT M_0053863





WARNING H317: May cause an allergic skin reaction.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P321: Specific treatment (see this label).
P363: Wash contaminated clothing before reuse.
P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272: Contaminated work clothing should not be allowed out of the workplace.

EUH208: Contains Alpha PINENE. May produce an allergic reaction.

2.3 Other hazards

PBT-Substances, vPvB-Substances: None Other information: None For a complete list of references and phrases mentioned in this chapter, see chapter 16.

[x] 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: 8016-96-4

Component	CAS	INDEX NUMBER	Concentration limit	CLASSIFICATION ACCORDING Reg. 1272/2008/CE
Alpha VETIVONE	15764-04-2		[1 % , 5 %[Skin Sens. 1B, H317
ISOEUGENOL	97-54-1		[0.1 % , 1 %[Acute Tox. 4 Oral, H302 Acute Tox. 4 Dermale, H312 Skin irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319
Alpha PINENE	80-56-8		[0.1 % , 1 %[Flam. Liq. 3, H226 Acute Tox. 4 Oral, H302 Asp. Tox. 1, H304 Skin irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410



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Ingredients having an occupational exposure limit value: See section 8.

3.2 Mixtures

Not applicable

[x] 4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

[x] 5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

[x] 6 ACCIDENTAL RELEASE MEASURES



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6.1 Personal precautions, protective equipment and emergency procedures

Contain spillages with sand, earth or any suitable adsorbent material.

6.2 <u>Environmental precautions</u>

There must be no release into the environment.

6.3 <u>Methods and materials for containment and cleanup procedure</u>

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

[x] 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

Do not breathe vapor from heated material.

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

[x] 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National OELs values

FRANCE: None GERMANY: None



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UNITED STATES: None CHINA: None INDONESIA: None

European Indicative OELs values

None

8.2 Exposure controls

Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

[x] 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: PASTY
- Color: From DARK BROWN to BROWN
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): >100 °C
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.



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- Vapor Density: No data available.
- Specific Gravity: No data available.
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.
- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

[x] 10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.



VETYVER ROOT M_0053863

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

[x] 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg)	> 5000 (Estimated)
LD50 Oral(mg/kg)	> 5000 (Estimated)
CL50 Inhalation - vapor(mg/l)	> 100 (Estimated)

Component Information

Component	CAS	Concentration limit	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	CL50 Inhalation - vapor (mg/I)
Alpha VETIVONE	15764-04-2	[1 % , 5 %[> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
ISOEUGENOL	97-54-1	[0.1 % , 1 %[1900	1500	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	[0.1 % , 1 %[> 5000	500	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated Exposure	:	No data available. No data available.
Respiratory Sensitization	:	No data available.
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) -	:	No data available.
Single Exposure		
Cancerogenicity	:	No data available.

11.2 Information on likely routes of exposure



VETYVER ROOT M_0053863

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

No other information noted.

[x] 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product Information

Toxicity Fish	: No data available.
Toxicity Alga	: No data available.
Toxicity Water Flea	: No data available.

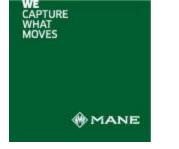
12.2 Persistence and degradability

Biodegradability	:	No data available.
Hydrosolubility	:	No data available.
Comments	:	None

12.3 Bioaccumulative potential

Log Pow (n-Octanol/Water Partition Coefficient)	:	No data available.
Bio Concentration Factor	:	No data available.

12.4 Mobility in soil



VETYVER ROOT M_0053863

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

[x] 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

[x] 14 TRANSPORT INFORMATION

<u>ADR</u>

Not regulated

IATA Not regulated

<u>IMDG</u>

Not regulated

Not regulated

14.1 Special precautions for user

No recommendation given.

[x] 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (WGK): WGK 2 (Hazard to waters)



VETYVER ROOT M_0053863

Regulation (EC) No 1907/2006, if relevant :

No data available.

15.2 Chemical safety assessment

No data available.

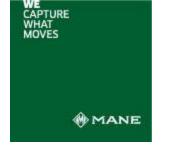
[x] 16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see this label).
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2: Carbon dioxyde LD50: Lethal dose 50 NTP: National Toxicology program IARC: International Agency for Research on Cancer OSHA: Occupational Safety and Health Administration UN: United Nations IMDG : International Maritime Dangerous Goods IATA : International Air Transport Association



VETYVER ROOT M_0053863

Classification codes

Acute Tox. 4 Dermale :	Acute toxicity Category 4 Dermal
Acute Tox. 4 Oral :	Acute toxicity Category 4 Oral
Aquatic Acute 1 :	Acute hazards to the aquatic environment Category 1
Aquatic Chronic 1 :	Chronic hazards to the aquatic environment Category 1
Asp. Tox. 1 :	Aspiration hazard Category 1
Eye Irrit. 2 :	Serious eye damage/eye irritation Category 2
Flam. Liq. 3 :	Flammable liquids Category 3
Skin irrit. 2 :	Skin corrosion/irritation Category 2
Skin Sens. 1 :	Skin sensitizer Category 1
Skin Sens. 1A :	Skin sensitizer Category 1A
Skin Sens. 1B :	Skin sensitizer Category 1B

16.3 Key literature references and sources for data

This safety Data Sheet has been prepared in accordance with Regulation EC 1907/2006 and its amendments. The information given correspond to the knowledge we have on the date mentioned on this document and is based on the recommendations of the EFFA and IOFI/IFRA working groups.

To specify modifications that appear in document since the previous version, we note this symbol [X] in front of each section containing a modification.

We cannot be held responsible in the event of improper usage of this product. It is up to the user to analyse the information given and to determine appropriate handling conditions for the safe use of this product.

It is the user's liability to conform to all local, national, and international regulations that apply to its activities.

This automatically generated safety data sheet is valid without signature.



Product : YLANG YLANG FRAGRANCE E.9315226

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

YLANG YLANG FRAGRANCE E.9315226

1.2 Relevant identified uses of the substance or mixture and uses advised against

Perfume composition, flavour or aromatical ingredient, for an industrial usage, that can be used in end-user product.

1.3 Details of the supplier of the safety data sheet

Please find the actual manufacturer on product label

Supplier Address	: MANE (Shanghai) Fragrances & Flavours Co., Ltd : No. 612 Shan Lian Road, Baoshan Urban Industry Park- Shanghai 200444- CHINA
Telephone	: +86 21 3611 9900 (Only during office hours)
e-mail	: CN-SH.REG-SDS@mane.com
Supplier	: MANE (China) Fragrances & Flavours Co., Ltd
Address	: No. 988, Xinxingyi Road- Pinghu 314200, Zhejiang Province- CHINA
Telephone	: +86 573 8509 8989 (Only during office hours)
e-mail	: CN-SH.REG-SDS@mane.com

1.4 Emergency telephone number

Official advisory body number : CN number 400-6267-911

2 HAZARDS IDENTIFICATION

2.1 <u>Classification of the substance or mixture</u>

Physical hazards

Flam. Liq. 4: Combustible liquid. Health Dangers Acute Tox. 5 Oral: May be harmful if swallowed. Asp. Tox. 1: May be fatal if swallowed and enters airways. Skin irrit. 2: Causes skin irritation. Skin Sens. 1: May cause an allergic skin reaction. Eye Irrit. 2A: Causes serious eye irritation. Environmental hazards Aquatic Acute 1: Very toxic to aquatic life.



Product : YLANG YLANG FRAGRANCE E.9315226

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Pictogram



Signal Word

DANGER

Hazard Statements

H227: Combustible liquid.
H303: May be harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313: If skin irritation or rash occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P273: Avoid release to the environment.

P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting. P370+P378: In case of fire: Use water for extinction.

P305+P351+P338: IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P391: Collect spillage.

P321: Specific treatment (see this label).

P362: Take off contaminated clothing and wash before reuse.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and



Product : YLANG YLANG FRAGRANCE E.9315226

regulations, and product characteristics at time of disposal. P272: Contaminated work clothing should not be allowed out of the workplace.

For a complete list of references and phrases mentioned in this chapter, see chapter 16.

2.3 Other hazards

None

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No.: Not applicable

3.2 Mixtures

Hazardous Substances

Component	CAS	Concentration limit	CLASSIFICATION
GURJUM EXTRACT	8030-55-5	[20 % , 50 %[Asp. Tox. 1, H304
BENZYL ACETATE	140-11-4	[10 % , 20 %[Acute Tox. 5 Oral, H303 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
BENZYL ALCOHOL	100-51-6	[5 % , 10 %[Acute Tox. 4 Oral, H302 Acute tox. 5 Dermal, H313 Eye Irrit. 2A, H319
BENZYL BENZOATE	120-51-4	[5 % , 10 %[Acute Tox. 4 Oral, H302 Acute tox. 5 Dermal, H313 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alpha TERPINEOL	98-55-5	[5 % , 10 %[Flam. Liq. 4, H227 Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
METHYL BENZOATE	93-58-3	[5 % , 10 %[Flam. Liq. 4, H227 Acute Tox. 4 Oral, H302 Skin irrit. 3, H316
(-) TRANS BETA CARYOPHYLLENE	87-44-5	[1 % , 5 %[Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
LINALYL ACETATE	115-95-7	[1 % , 5 %[Flam. Liq. 4, H227 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2B, H320 Aquatic Acute 3, H402
GERANIOL	106-24-1	[1 % , 5 %[Acute Tox. 5 Oral, H303 Skin irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Acute 3, H402
LINALOOL	78-70-6	[1 % , 5 %[Flam. Liq. 4, H227

CAPTURE WHAT MOVES

SAFETY DATA SHEET

Product : YLANG YLANG FRAGRANCE E.9315226

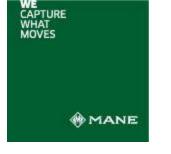
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			Aguta Tay, E Oral 11000
			Acute Tox. 5 Oral, H303
			Skin irrit. 2, H315
			Skin Sens. 1B, H317
			Eye Irrit. 2A, H319
			Aquatic Acute 3, H402
Gamma TERPINEOL	586-81-2	[1 % , 5 %[Acute Tox. 5 Oral, H303
			Skin irrit. 2, H315
			Eye Irrit. 2A, H319
alpha CEDRENE	469-61-4	[1 % , 5 %[Asp. Tox. 1, H304
			Skin irrit. 3, H316
			Aquatic Acute 1, H400
			Aquatic Chronic 1, H410
p-METHYLANISOLE	104-93-8	[1 % , 5 %[Flam. Lig. 4, H227
P		[, , , , , , , , , , , , , , , , , , ,	Acute Tox. 4 Oral, H302
			Skin irrit. 2, H315
			Repr. 2, H361
			Aquatic Acute 3, H402
CINNAMYL ACETATE	103-54-8	[1 % , 5 %[Acute Tox. 5 Oral, H303
CINNAMITE ACETATE	103-34-6	[1 % , 5 %[-
	100.05.0	54.04 E.045	Aquatic Acute 3, H402
NEROL	106-25-2	[1 % , 5 %[Acute Tox. 5 Oral, H303
			Skin irrit. 2, H315
			Skin Sens. 1B, H317
			Eye Irrit. 2A, H319
			Aquatic Acute 2, H401
CITRONELLOL	106-22-9	[1 % , 5 %[Acute Tox. 5 Oral, H303
			Acute tox. 5 Dermal, H313
			Skin irrit. 2, H315
			Skin Sens. 1, H317
			Eve Irrit. 2A, H319
			Aquatic Acute 2, H401
Beta TERPINEOL	138-87-4	[1 % , 5 %[Flam. Liq. 4, H227
	100 01 4	[1 /0 , 0 /0]	Acute Tox. 5 Oral, H303
			Skin irrit. 2, H315
			Eye Irrit. 2A, H319
			-
	80.50.8		Aquatic Acute 3, H402
Alpha PINENE	80-56-8	[1 % , 5 %[Flam. Liq. 3, H226
			Acute Tox. 4 Oral, H302
			Asp. Tox. 1, H304
			Skin irrit. 2, H315
			Skin Sens. 1B, H317
			Aquatic Acute 1, H400
			Aquatic Chronic 1, H410
GERANYLE ACETATE	105-87-3	[0.1 % , 1 %[Skin irrit. 2, H315
			Skin Sens. 1, H317
			Aquatic Acute 2, H401
			Aquatic Chronic 3, H412
BENZYL SALICYLATE	118-58-1	[0.1 % , 1 %[Acute Tox. 5 Oral, H303
			Skin Sens. 1B, H317
			Eye Irrit. 2B, H320
			Aquatic Acute 2, H401
			Aquatic Chronic 3, H412
EUGENOL	97-53-0	[0.1 % , 1 %[Acute Tox. 5 Oral, H303
			Skin irrit. 3, H316
			Skin Sens. 1B, H317
			Eye Irrit. 2A, H319
			Aquatic Acute 2, H401
NERYL ACETATE	141-12-8	[0.1 % , 1 %[Skin Sens. 1B, H317
	141-12-0	[U.1 70 , 1 70]	
	7040 44 4	TO 4 0/ 4 0/T	Aquatic Acute 2, H401
NEROLIDOL		[0.1 % , 1 %[Skin Sens. 1B, H317
	7212-44-4		
	7212-44-4		Eye Irrit. 2B, H320
	7212-44-4		Aquatic Acute 1, H400
METHYL ISOEUGENOL	93-16-3	[0.1 % , 1 %]	

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	Skin Sens. 1B, H317
	Aquatic Acute 3, H402

Ingredients having an occupational exposure limit value: See section 8.

4 FIRST AID MEASURES

4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Get medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

Never give liquid to an unconscious person.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, CO2 or Foam Extinguishing media to avoid Avoid water in straight hose stream; will scatter and spread fire.

5.2 <u>Special hazards arising from the substance or mixture</u>

Avoid breathing dust or vapor. Cool containers exposed to flames with water until well after the fire is out.

5.3 Advice for firefighters

No specific precautions.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures



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Contain spillages with sand, earth or any suitable adsorbent material.

6.2 Environmental precautions

There must be no release into the environment.

6.3 Methods and materials for containment and cleanup procedure

Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

6.4 Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed

7.2 Condition for safe storage, including any incompatibilities

Keep only in the original container in an appropriate place.

7.3 Specific end use(s)

No specific precautions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limits (OELs) values: None



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8.2 Exposure controls

8.2.1 Environmental exposure controls

Discharge, treatment, or disposal may be subject to national, state, or local laws.

8.2.2 Personal protective equipment (ppe)

Respiratory protection: In case of inadequate ventilation use suitable respirator. Eye protection: Wear goggles/face shield. Hand protection: Gloves. Skin protection: Wear suitable protective clothing. Provide adequate ventilation if fumes or vapors are generated.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical State: LIQUID
- Color: From LIGHT YELLOW to YELLOW
- Odor: Characteristic
- pH: No data available.
- Melting point (°C): No data available.
- Boiling point (°C): No data available.
- Flash point (°C): 84 °C (183.2 °F)
- Evaporation Rate: No data available.
- Flammability (solid, gas): No data available.
- Upper/lower limit on flammability or explosive limits: No data available.
- Vapor pressure: No data available.
- Vapor Density: No data available.
- Specific Gravity: 0.9700 / 0.9800
- Solubility: No data available.
- Log Pow (n-Octanol/Water Partition Coefficient): No data available.
- Auto Ignition Temp. (°C): No data available.



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- Decomposition temperature (°C): No data available.
- Viscosity at 40°C: No data available.
- Explosive properties: No data available.
- Oxidizing properties: No data available.
- Vapor pressure at 20°C: No data available.
- Vapor pressure at 50°C: No data available.

9.2 Other information

No other information noted.

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.



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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

LD50 Dermal(mg/kg) LD50 Oral(mg/kg) CL50 Inhalation - vapor(mg/l) > 5000 (Calculated) 2969.3 (Calculated) > 100 (Calculated)

Component Information

Component	CAS	Concentration	LD50 Dermal	LD50 Oral	CL50 Inhalation
-		limit	(mg/kg)	(mg/kg)	- vapor
			(((mg/l)
GURJUM EXTRACT	8030-55-5	>= 20 % - 50 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
BENZYL ACETATE	140-11-4	>= 10 % - 20 %	> 5000	2490	> 100
			Estimated	Estimated	Estimated
BENZYL ALCOHOL	100-51-6	>= 5 % - 10 %	2500	1620	> 100
			Estimated	Measured	Estimated
BENZYL BENZOATE	120-51-4	>= 5 % - 10 %	4000	1500	> 100
	00.55.5	5.0(Estimated	Estimated	Estimated
Alpha TERPINEOL	98-55-5	>= 5 % - 10 %	> 5000	4300	> 100
METHYL BENZOATE	02.50.2	>= 5 % - 10 %	Estimated	Estimated	Estimated
METHTL BENZOATE	93-58-3	>= 5 % - 10 %	> 5000	1300 Fatimated	> 100
	87-44-5	>= 1 % - 5 %	Estimated > 5000	Estimated > 5000	Estimated > 100
(-) TRANS BETA CARYOPHYLLENE	07-44-5	>= 1 % - 5 %	> 5000 Estimated	> 5000 Estimated	S 100 Estimated
	115-95-7	>= 1 % - 5 %	> 5000	> 5000	> 100
LINALIL ACETATE	110-90-7	>= 1 % - 3 %	> 5000 Estimated	Soud Estimated	S 100 Estimated
GERANIOL	106-24-1	>= 1 % - 5 %	> 5000	3600	> 100
GERANIOL	100-24-1	>= 1 /8 - 3 /8	Estimated	Estimated	Estimated
LINALOOL	78-70-6	>= 1 % - 5 %	> 5000	2790	> 100
LINALOOL	10100	2 1 /0 0 /0	Measured	Measured	Estimated
Gamma TERPINEOL	586-81-2	>= 1 % - 5 %	> 5000	3934	> 100
			Estimated	Estimated	Estimated
alpha CEDRENE	469-61-4	>= 1 % - 5 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
p-METHYLANISOLE	104-93-8	>= 1 % - 5 %	> 5000	1900	> 100
•			Estimated	Measured	Estimated
CINNAMYL ACETATE	103-54-8	>= 1 % - 5 %	> 5000	3300	> 100
			Estimated	Estimated	Estimated
NEROL	106-25-2	>= 1 % - 5 %	> 5000	4500	> 100
			Estimated	Measured	Estimated
CITRONELLOL	106-22-9	>= 1 % - 5 %	2650	3450	> 100
			Estimated	Estimated	Estimated
Beta TERPINEOL	138-87-4	>= 1 % - 5 %	> 5000	2075	> 100
			Estimated	Estimated	Estimated
Alpha PINENE	80-56-8	>= 1 % - 5 %	> 5000	500	> 100
			Estimated	Estimated	Estimated
GERANYLE ACETATE	105-87-3	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
BENZYL SALICYLATE	118-58-1	>= 0.1 % - 1 %	> 5000	2200	> 100



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			Estimated	Measured	Estimated
EUGENOL	97-53-0	>= 0.1 % - 1 %	> 5000	2300	> 100
			Estimated	Estimated	Estimated
NERYL ACETATE	141-12-8	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Estimated	Estimated	Estimated
NEROLIDOL	7212-44-4	>= 0.1 % - 1 %	> 5000	> 5000	> 100
			Measured	Estimated	Estimated
METHYL ISOEUGENOL	93-16-3	>= 0.1 % - 1 %	> 5000	2500	> 100
			Estimated	Estimated	Estimated

Skin corrosion/irritation Specific Target Organ - Repeated	:	No data available. No data available.
Exposure		No data available.
Respiratory Sensitization	•	
Reproductive toxicity	:	No data available.
Germ cell mutagenicity	:	No data available.
Serious eye damage/irritation	:	No data available.
Skin Sensitization	:	No data available.
Aspiration Hazard	:	No data available.
Specific Target Organ - Single	:	No data available.
Exposure		
Specific Target Organ (NE) - Single Exposure	:	No data available.
Cancerogenicity		No data available.
Cancerogenicity	•	

11.2 Information on likely routes of exposure

No data available.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

No data available.

11.4 Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

No data available.

11.5 Interactive effects

No data available.

11.6 Other information

GBZ 2.1 /2007 (original standard): None

12 ECOLOGICAL INFORMATION



Product: YLANG YLANG FRAGRANCE E.9315226

12.1 Toxicity

Product Information

Toxicity Fish Toxicity Alga Toxicity Water Flea Toxicity Rat

- No data available.No data available.
- : No data available.
- : No data available.

12.2 Persistence and degradability

Biodegradability Hydrosolubility Comments

- : No data available.
- : No data available.
- None

12.3 Other eco-toxicological information

This product has not been subject to eco-toxicological testing as an entity. According to available data on the constituents, the environment classification criteria are met.

Log Pow (n-Octanol/Water Partition Coefficient) Bio Concentration Factor Bioaccumulative potential Mobility in soil Other adverse effects No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not release into the environment. Confirm disposal procedures with environmental engineer and local regulations.

13.2 Other information

Always keep original label(s) on empty recipients (drums/pails).

14 TRANSPORT INFORMATION

<u>ADR</u>

UN number	: 3082
Transportation name United Nations	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(PERFUMERY PRODUCTS)
Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND

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ΙΑΤΑ	Packaging group Environmental dangers	ARTICLES : III : Yes.
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	Danger class(es) for transport	(PERFUMERY PRODUCTS) : Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group Environmental dangers	: III : Yes.
IMDO		
	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group	: III
	Environmental dangers	: Yes.
חום	Marine polutants	: P - pollutant
<u>RID</u>	UN number Transportation name United Nations	: 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
	Danger class(es) for transport	: Class 9 : MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES
	Packaging group	: 111
	Environmental dangers	: Yes.
	Created was southing for user	

14.1 Special precautions for user

No recommendation given.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: No recommendation given

16 OTHER INFORMATION

16.1 Entire text of the H and P phrases mentioned in chapters 2 and 3:

H226	Flammable liquid and vapor.
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.



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H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical advice
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.Do NOT induce vomiting.
P370+P378	In case of fire: Use water for extinction.
P305+P351+P338	IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if
P302+P352	present. IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P321	Specific treatment (see this label).
P362	Take off contaminated clothing and wash before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
P272	Contaminated work clothing should not be allowed out of the workplace.

16.2 Abbreviation and acronyms

CAS: Chemical Abstracts Service CO2:Carbone Dioxyde SDS: Safety Data Sheet OELs: Occupational Exposure Limits LD50:Lethal Dose at 50%

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CL50: Concentration Lethal at 50% UN: United Nation ADR: Accord for Dangerous goods by Road IATA : International Air Transport Association IMDG : International Maritime Dangerous Goods RID: International Carriage of Dangerous goods by Rail

16.3 Key literature references and sources for data

This safety data sheet is prepared in accordance with GB/T16483-2008.

The information provided is correct to the best of our knowledge, information and belief at the date of its publication. The information is provided as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.