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Reviewed on: 13.03.2023 Printing date: 13.03.2023

SECTION 01: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name:

LAVENDER STOECHAS PT ORG OIL

- Article number:
 - B540
- EC Number:
 - 289-996-8
- No CAS EINECS:

90063-38-0

- 1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation Only for industrial use
- 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GOLGEMMA TEL: +33(0)4.68.74.17.89 Route de FA email: fds@golgemma.com

11260 ESPERAZA

FRANCE

1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59

SECTION 02: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS08

STOT SE 2 - H371 May cause damage to organs. Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 - H332 Harmful if inhaled. Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms







GHS08

GHS07

GHS09

Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H371 May cause damage to organs.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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CHEMICAL SAFETY DATA SHEET

according to 2020/878/EC (1907/2006/EC Article 31)

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P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT:

Not applicable.

vPvB:

Not applicable.

Determination of endocrine-disrupting properties Substance is not listed.

SECTION 03: Composition/information on ingredients

3.1 Substances

Description Lavandula stoechas L.

- Identification number(s)
- EC number: 289-996-8
- Dangerous components:

CAS Number		%
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one EC number: 200-945-0	20,001-50,00
	♦ Flam. Sol. 2 - H228; ♦ Acute Tox.	
	4 - H302, Acute Tox. 4 - H332; 📀 STOT SE	
	2 - H371	
470-82-6	Eucalyptol	10,001-20,00
	EC number: 207-431-5	
	🏇 Flam. Liq. 3 - H226; 🔱 Skin Sens.	
	1B - H317	
78-70-6	Linalool	10,001-20,00
	EC number: 201-134-4	
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
80-56-8	pin-2(3)-ene	10,001-20,00
	EC number: 201-291-9	
	♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3	
	- H226; 💠 Acute Tox. 4 - H302, Skin	
	Irrit. 2 - H315, Skin Sens. 1B - H317	
79-92-5	camphene	1,001- 5,00
	EC number: 201-234-8	
	🏵 Flam. Sol. 1 - H228; 🌜 Aquatic	
	Acute 1 - H400, Aquatic Chronic 1 - H410	
13466-78-9	delta-3-Carene	1,001- 5,00
	EC number: 236-719-3	
	Asp. Tox. 1 - H304; Flam. Liq. 3	
	- H226; 🚸 Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317	
5989-27-5	d-limonene	1,001- 5,00
	EC number: 227-813-5	
	🕸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
		(continued on page 3)





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		(continued of page 2
	- H226; 💠 Skin Irrit. 2 - H315, Skin	,
	Sens. 1B - H317; 🔖 Aquatic Acute 1 -	
	H400; Aquatic Chronic 3 - H412	
3387-41-5	sabinene	1,001- 5,00
	EC number: 222-212-4	
	◆ Acute Tox. 4 - H302	
87-44-5	beta-Caryophyllene	1,001- 5,00
	EC number: 201-746-1	
	🕸 Asp. Tox. 1 - H304; 😲 Skin Sens.	
	1B - H317	
99-87-6	p-cymene	1,001- 5,00
	EC number: 202-796-7	
	Acute Tox. 3 - H331; 🍪 Asp. Tox. 1	
	- H304; 🚸 Flam. Liq. 3 - H226; 🚯	
	Aquatic Chronic 2 - H411	
562-74-3	4-Carvomenthenol	1,001- 5,00
	EC number: 209-235-5 Acute Tox. 4 - H302, Skin Irrit. 2 -	
00 55 5	H315, Eye Irrit. 2 - H319	4004 500
98-55-5	p-menth-1-en-8-ol EC number: 202-680-6	1,001- 5,00
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319	
586-62-9	Terpinolene	0,101-1,00
000 02 0	EC number: 209-578-0	0,101-1,00
	♦ Asp. Tox. 1 - H304; ♦ Skin Sens.	
	1B - H317; 🤄 Aquatic Acute 1 - H400,	
	Aquatic Chronic 1 - H410	
123-35-3	Myrcene	0,101-1,00
	EC number: 204-622-5	, ,
	🕸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
	- H226; 🔱 Skin Irrit. 2 - H315, Eye	
	Irrit. 2 - H319	
3338-55-4	cis-beta-Ocimene	0,101-1,00
	EC number: 222-081-3	
	😵 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
	- H226	
13877-91-3	3,7-Dimethyl-1,3,6-octatriene	0,101-1,00
	EC number: 237-641-2	
	♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3	
	- H226; 💠 Skin Irrit. 2 - H315	
1365-19-1	linalool oxide	0,101-1,00
	EC number: 215-723-9	
	Acute Tox. 4 - H302, Skin Irrit. 2 -	
40= 0 : -	H315, Eye Irrit. 2 - H319	
127-91-3	beta-Pinene	0,101-1,00
	EC number: 204-872-5 ♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3	
	→ ASp. 10x. 1 - H304; → Flam. Liq. 3 - H226; ♦ Skin Irrit. 2 - H315, Skin	
	- m220; 🤍 OKIH IFFIT. 2 - M315, SKIN	



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PRODUCT: LAVENDER STOECHAS PT ORG OIL (continued of page 3) Sens. 1B - H317 3391-86-4 1-Octen-3-ol 0,101-1,00 EC number: 222-226-0 Acute Tox. 4 - H302, Acute Tox. 4 -H332, Skin Irrit. 2 - H315, Eye Irrit. 2 -H319; 🕸 Aquatic Acute 1 - H400 99-86-5 1-isopropyl-4-methylcyclohexa-1,3-diene 0,101-1,00 EC number: 202-795-1 🕸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3 - H226; 🕩 Acute Tox. 4 - H302, Skin

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
 - Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
 - Seek immediate medical advice.
- After inhalation:
- Supply fresh air and to be sure call for a doctor.

H411

- After skin contact:
 - If skin irritation continues, consult a doctor.
- Immediately wash with water and soap and rinse thoroughly.

Oral: ATE = 1680 mg/kg

- After eye contact:
 Rinse opened eye for
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
- Seek immediate medical advice.
- Information for doctor:
- $4.2~{\rm Most}$ important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

Sens. 1 - H317; Aquatic Chronic 2 -

SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
 - CO2, sand, extinguishing powder. Do not use water.
 - Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:
 Water with full let
- 5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- Protective equipment:
 - Mount respiratory protective device.
 - Do not inhale explosion gases or combustion gases.
- Additional information
- Cool endangered receptacles with water spray.

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SECTION 06: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 07: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Handle with care. Avoid jolting, friction and impact.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/ product.

- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:

Keep container tightly sealed.
Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

SECTION 08: Exposure controls/personal protection

8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Do not inhale dust / smoke / mist.

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Avoid contact with the skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

• Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

 Eye/face protection Safety glasses

9.1 Information on basic physical and cher	mical properties		
General Information			
Physical state	Fluid		
Colour:	light yellow to orange		
Odour:	agrestic		
Odour threshold:	Not determined.		
Melting point/freezing point:	0,0 °C		
Boiling point or initial boiling point and boiling range	0,0 °C		
Flammability	Not determined.		
Lower and upper explosion limit			
Lower:	Not determined.		
Upper:	Not determined.		
Flash point:	76,0 °C NFT 60-103 CC		
Decomposition temperature:	Not determined.		
рН	Not determined.		
Viscosity:			
Kinematic viscosity	Not determined.		
Dynamic:	Not determined.		
Solubility			
water:	Not determined.		
Partition coefficient n-octanol/water (log value)	Not determined.		
Vapour pressure:	Not determined.		
Density and/or relative density			
Density:	Not determined.		
Relative density	0,9220 0,950 D20/20		
Vapour density	Not determined.		
9.2 Other information	No further relevant information available.		
Appearance:			
Form:	fluid		
Important information on protection of hea	alth and environment, and on safety.		
Auto-ignition temperature:	Not determined.		
Explosive properties:	Not determined.		
Solvent content:			





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Solids content:	0,00 %				
Change in condition					
Evaporation rate	Not determined.				
Information with regard to physical hazard classes					
Explosives	not applicable				
Flammable gases	not applicable				
Aerosols	not applicable				
Oxidising gases	not applicable				
Gases under pressure	not applicable				
Flammable liquids	not applicable				
Flammable solids	not applicable				
Self-reactive substances and mixtures	not applicable				
Pyrophoric liquids	not applicable				
Pyrophoric solids	not applicable				
Self-heating substances and mixtures	not applicable				
Substances and mixtures, which emit flammable gases in contact with water	not applicable				
Oxidising liquids	not applicable				
Oxidising solids	not applicable				
Organic peroxides	not applicable				
Corrosive to metals	not applicable				
Desensitised explosives	not applicable				

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

• LD/LC50 values relevant for classification:

ISO LD/LC

76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

Oral, LD50: >5000 mg/kg (rat) (Opdyke 1978) Dermal, LD50: >1000 mg/kg (mouse) (NTP 1998)

470-82-6 Eucalyptol

Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)

78-70-6 Linalool
Oral, LD50: 2790 mg/kg (rat)
Dermal, LD50: 5610 mg/kg (Rabbit) **79-92-5** camphene
Oral, LD50: 5000 mg/kg (rat)

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according to 2020/878/EC (1907/2006/EC Article 31)

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Dermal, LD50: 2500 mg/kg (Rabbit)

13466-78-9 delta-3-Carene

Oral, LD50: 4800 mg/kg (rat) (Moreno 1975)

5989-27-5 (R)-p-mentha-1,8-diene

Oral, LD50: 4400 mg/kg (rat)

87-44-5 beta-Caryophyllene

Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

98-55-5 p-menth-1-en-8-ol

Oral, LD50: 4300 mg/kg (rat)

3391-86-4 1-Octen-3-ol Oral, LD50: 340 mg/kg (rat)

Dermal, LD50: 3300 mg/kg (Rabbit)

99-86-5 p-mentha-1,3-diene

Oral, LD50: 1680 mg/kg (ATE)

Primary irritant effect:

Skin corrosion/irritation

No irritant effect.

• Serious eye damage/irritation

No irritating effect.

• Respiratory or skin sensitisation

Sensitization possible through skin contact.

Germ cell mutagenicity

76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

OECD 471 AMES: NEGATIVE (in vitro) (Anderson and Styles 1978)

470-82-6 Eucalyptol

OECD 471 AMES: NEGATIVE (in vitro) (Haworth, 1983)

78-70-6 Linalool

OECD 471 AMES: NEGATIVE (in vitro) (Letizia and al., 2007)

87-44-5 beta-Caryophyllene

OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

Carcinogenicity

76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

Micronoyau: NEGATIVE (mouse) (NTP 1999)

78-70-6 Linalool

Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)

Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)

• Reproductive toxicity

Not determined.

STOT-single exposure

May cause damage to organs.

STOT-repeated exposure

Not determined.

Aspiration hazard

May be fatal if swallowed and enters airways.

May be fatal if swallowed and enters airways.

• Subacute to chronic toxicity:

76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

Oral, NOAEL: >800 mg/kg (rat) (fetal toxicity GD 6 to 15, NTP 1992)

78-70-6 Linalool

Oral, NOAEL: 200 mg/kg (rat) (maternal toxicity, Politano and al.,

2008)

87-44-5 beta-Caryophyllene

Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)

• 11.2 Information on other hazards

• Endocrine disrupting properties

Substance is not listed.

FU



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SECTION 12: Ecological information

12.1 Toxicity

· Aquatic toxicity:

76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

CE50/48h: 26,82 mg/l (daphnia) ErC50(0-72h): 23,8 mg/l (algae)

Linalool

LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991)

ErC50(0-72h): 156,7 mg/l (algae) ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)

(R)-p-mentha-1,8-diene 5989-27-5

LD50: 0,71 mg/l (fish) (OECD 203)

99-87-6 p-cymene

LD50: 1,63 mg/l (fish) (OECD 203)

Myrcene

LD50: 0,51 mg/l (fish) (OECD 203) CE50/48h: 0,65 mg/l (daphnia)

12.2 Persistence and degradability

No further relevant information available.

• Behaviour in environmental systems: Not determined.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

• PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.6 Other adverse effects

No further relevant information available.

Ecotoxical effects:

Not determined.

Remark:

Toxic for fish

Additional ecological information:

General notes:

Toxic for aquatic organisms

The material is harmful to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must be specially treated adhering to official regulations.

- Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN number or ID number

 ADR
 UN3082

 IMDG
 UN3082

 IATA
 UN3082

14.2 UN proper shipping name

ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(LAVANDULA STOECHAS L.)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(LAVANDULA STOECHAS L.)

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(LAVANDULA STOECHAS L.)

14.3 Transport hazard class(es)

ADR

Class 9 (M6) Miscellaneous dangerous substances and articles.

Label





IMDG

Class 9 Miscellaneous dangerous substances and articles.

Label





IATA

Class 9 Miscellaneous dangerous substances and articles.

Label





14.4 Packing group

ADR III
IMDG III
IATA III

14.5 Environmental hazards:

Marine pollutant: Yes

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles. **Danger code (Kemler):** 90

EMS Number: F-A,S-F

 $14.7\ \mbox{Maritime}$ transport in bulk according to IMO instruments Not applicable.

 Transport/Additional information: Not applicable.

ADR

Excepted quantities (EQ): E1

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Limited quantities (LQ) 5L Transport category 3

IMDG

Limited quantities (LQ) 5L Excepted quantities (EQ) E1

• UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LAVANDULA STOECHAS L.), 9, III

SECTION 15: Regulatory information

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

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II Substance is not listed.
- REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Substance is not listed.

- Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors Substance is not listed.
- National regulations:
- Technical instructions (air):
- Class Share in %I 28,00
- Waterhazard class:

Generally not hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

Relevant phrases
 H226 Flan

Flammable liquid and vapour. 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. H331 Toxic if inhaled. H332 Harmful if inhaled. 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.

Harmful to aquatic life with long lasting effects.

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H412



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Training hints

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Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

• Abbreviations and acronyms:

IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

• * Data compared to the previous version altered.