

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 12/27/2021 Revision date: 5/3/2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name Cedarwood & Jasmine at 25% in DPG

Perfumes, fragrances Type of product Product group Trade product

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only

Industrial

Perfumes, fragrances Use of the substance/mixture Function or use category Odour agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

No additional information available

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitisation, Category 1 H317

Hazardous to the aquatic environment - Chronic Hazard, Category 2 H411

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS07

GHS09

Signal word (CLP)

Contains : d-Limonene, Linalool, Nerol, Eugenol, Hexyl cinnamic aldehyde, Benzyl salicylate, Geraniol

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

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

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P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371- 33	4.36875 – 8.7375	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092- 50	2.0125 – 4.025	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442- 31	1.2875 – 2.575	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Benzyl acetate	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272- 42	1.26875 – 2.5375	Aquatic Chronic 3, H412
ACETYL HEXAMETHYL TETRALIN	CAS-No.: 21145-77-7 EC-No.: 244-240-6	0.875 – 1.75	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42	0.65 – 1.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Cedarwood oil, Texas	CAS-No.: 68990-83-0 EC-No.: 294-461-7;614-888-8	0.525 – 1.05	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
d-Limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00- 7;601-096-00-2 REACH-no: 01-2119493353- 35	0.39375 – 0.7875	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Musk ketone	CAS-No.: 81-14-1 EC-No.: 201-328-9 EC Index-No.: 609-069-00-7	0.2625 – 0.525	Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Eugenol	CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802- 33	0.1125 – 0.225	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Sandela	CAS-No.: 66068-84-6 EC-No.: 266-100-3	0.09375 – 0.1875	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Nerol	CAS-No.: 106-25-2 EC-No.: 203-378-7	0.075 – 0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Geraniol Full Address of the angle of the second se	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430-	0.075 – 0.15	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing

dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid

breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

d-Limonene (5989-27-5)		
Finland - Occupational Exposure Limits		
HTP (OEL TWA) [1] 140 mg/m³		
HTP (OEL TWA) [2] 25 ppm		
HTP (OEL STEL) 280 mg/m³		
HTP (OEL STEL) [ppm] 50 ppm		
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1] 28 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)		

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d-Limonene (5989-27-5)	
AGW (OEL TWA) [2]	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation, Skin sensitization
Slovenia - Occupational Exposure Limits	
OEL TWA	28 mg/m³
OEL TWA [ppm]	5 ppm
OEL STEL	112 mg/m³
OEL STEL [ppm]	20 ppm
OEL chemical category	Potential for cutaneous absorption
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA) [1]	168 mg/m³
VLA-ED (OEL TWA) [2]	30 ppm
OEL chemical category	Sensitizer, skin - potential for cutaneous absorption
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA) [1]	140 mg/m³
Grenseverdi (OEL TWA) [2]	25 ppm
Korttidsverdi (OEL STEL)	175 mg/m³ (value calculated)
Korttidsverdi (OEL STEL) [ppm]	37.5 ppm (value calculated)
OEL chemical category	Allergenic substance
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA) [1]	40 mg/m³
MAK (OEL TWA) [2]	7 ppm
KZGW (OEL STEL)	80 mg/m³
KZGW (OEL STEL) [ppm]	14 ppm
OEL chemical category	Sensitizer
Benzyl acetate (140-11-4)	
Belgium - Occupational Exposure Limits	
OEL TWA	62 mg/m³
OEL TWA [ppm]	10 ppm
Denmark - Occupational Exposure Limits	
OEL TWA [1]	61 mg/m³
OEL TWA [2]	10 ppm
Ireland - Occupational Exposure Limits	
OEL TWA [2]	10 ppm
OEL STEL [ppm]	30 ppm (calculated)
Latvia - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	5 mg/m³

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Benzyl acetate (140-11-4)		
Portugal - Occupational Exposure Limits		
OEL TWA [ppm]	10 ppm	
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen	
Romania - Occupational Exposure Limits		
OEL TWA	50 mg/m³	
OEL TWA [ppm]	8 ppm	
OEL STEL	80 mg/m³	
OEL STEL [ppm]	13 ppm	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	62 mg/m³	
VLA-ED (OEL TWA) [2]	10 ppm	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	10 ppm	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
Musk ketone (81-14-1)		
Austria - Occupational Exposure Limits		
OEL chemical category	Group B Carcinogen	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour
Odour
Odour
Colour
Colo

Flash point : > 93 °C

: No data available Auto-ignition temperature : No data available Decomposition temperature Flammability (solid, gas) : No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : No data available Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available : No data available Explosive properties : No data available Oxidising properties

Explosive limits

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11	1.1	Informa	tion on	toxico	logical	effects
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Acute toxicity (oral) : Not classified

, ,	Not classified Not classified
d-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg
Linalool (78-70-6)	
LD50 oral	2790 mg/kg bodyweight
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg
LD50 oral	2490 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
Nerol (106-25-2)	
LD50 oral rat	4500 mg/kg
LD50 oral	4500 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Geraniol (106-24-1)	
Geraniol (106-24-1) LD50 oral rat	3600 mg/kg
	3600 mg/kg 3600 mg/kg bodyweight
LD50 oral rat	
LD50 oral rat	3600 mg/kg bodyweight
LD50 oral rat LD50 oral LD50 dermal rabbit	3600 mg/kg bodyweight
LD50 oral rat LD50 oral LD50 dermal rabbit Eugenol (97-53-0)	3600 mg/kg bodyweight > 5 g/kg
LD50 oral rat LD50 oral LD50 dermal rabbit Eugenol (97-53-0) LD50 oral rat	3600 mg/kg bodyweight > 5 g/kg 1930 mg/kg
LD50 oral rat LD50 oral LD50 dermal rabbit Eugenol (97-53-0) LD50 oral rat LD50 oral	3600 mg/kg bodyweight > 5 g/kg 1930 mg/kg
LD50 oral rat LD50 oral LD50 dermal rabbit Eugenol (97-53-0) LD50 oral rat LD50 oral Sandela (66068-84-6)	3600 mg/kg bodyweight > 5 g/kg 1930 mg/kg 2500 mg/kg bodyweight
LD50 oral rat LD50 oral LD50 dermal rabbit Eugenol (97-53-0) LD50 oral rat LD50 oral Sandela (66068-84-6) LD50 dermal rat	3600 mg/kg bodyweight > 5 g/kg 1930 mg/kg 2500 mg/kg bodyweight > 2000 mg/kg
LD50 oral rat LD50 oral LD50 dermal rabbit Eugenol (97-53-0) LD50 oral rat LD50 oral Sandela (66068-84-6) LD50 dermal rat LC50 Inhalation - Rat	3600 mg/kg bodyweight > 5 g/kg 1930 mg/kg 2500 mg/kg bodyweight > 2000 mg/kg
LD50 oral LD50 oral LD50 dermal rabbit Eugenol (97-53-0) LD50 oral rat LD50 oral Sandela (66068-84-6) LD50 dermal rat LC50 Inhalation - Rat Hexyl cinnamic aldehyde (101-86-0)	3600 mg/kg bodyweight > 5 g/kg 1930 mg/kg 2500 mg/kg bodyweight > 2000 mg/kg > 5.27 mg/l/4h

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LC50 Inhalation - Rat	Hexyl cinnamic aldehyde (101-86-0)		
LD50 oral rat 1500 mg/kg bodyweight	alation - Rat		
LD50 oral LD50 dermal rabbit LD50 dermal rabbit ACETYL HEXAMETHYL TETRALIN (21145-77-7) LD50 oral rat LD50 oral rat D50 oral rabbit D50 oral rat D50	penzoate (120-51-4)		
LD50 dermal rabbit LD50 dermal 4000 mg/kg bodyweight ACETYL HEXAMETHYL TETRALIN (21145-77-7) LD50 oral rat LD50 oral 1000 mg/kg bodyweight LD50 dermal rabbit 570 mg/kg LD50 dermal rabbit 5 g/kg Benzyl salicylate (118-58-1) LD50 oral rat 2227 mg/kg LD50 oral 2200 mg/kg bodyweight LD50 oral 2200 mg/kg bodyweight LD50 dermal rabbit 5 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit 5 10 g/kg LD50 dermal rabbit 7 10 g/kg LD50 dermal rabbit 8 2.99 mg/l/4h Skin corrosion/irritation Skin corrosion/irritation Skin corrosion/irritation Skin corrosion/irritation Skin corrosion/skin sensitisation May cause an allergic skin reaction.	rat		
LD50 dermal ACETYL HEXAMETHYL TETRALIN (21145-77-7) LD50 oral rat LD50 oral LD50 oral 1000 mg/kg bodyweight LD50 dermal rabbit > 5 g/kg Benzyl salicylate (118-58-1) LD50 oral at 2227 mg/kg LD50 oral 2200 mg/kg bodyweight LD50 oral 3200 mg/kg bodyweight LD50 oral 4200 mg/kg bodyweight LD50 oral 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg			
ACETYL HEXAMETHYL TETRALIN (21145-77-7) LD50 oral rat 570 mg/kg LD50 oral 1000 mg/kg bodyweight LD50 dermal rabbit > 5 g/kg Benzyl salicylate (118-58-1) LD50 oral rat 2227 mg/kg LD50 oral 2200 mg/kg bodyweight LD50 oral 2200 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LD50 dermal rabbit > 10 g/kg LD50 lnhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	nal rabbit		
LD50 oral rat 570 mg/kg LD50 oral 1000 mg/kg bodyweight LD50 dermal rabbit > 5 g/kg Benzyl salicylate (118-58-1) LD50 oral rat 2227 mg/kg LD50 oral 2200 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	nal		
LD50 oral 1000 mg/kg bodyweight LD50 dermal rabbit > 5 g/kg Benzyl salicylate (118-58-1) LD50 oral rat 2227 mg/kg LD50 oral 2200 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg	HEXAMETHYL TETRALIN (21145-77-		
LD50 dermal rabbit	rat		
Benzyl salicylate (118-58-1) LD50 oral rat 2227 mg/kg LD50 oral 2200 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.			
LD50 oral rat LD50 oral 2200 mg/kg bodyweight LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation 2227 mg/kg 2200 mg/kg bodyweight > 5000 mg/kg 10 g/kg > 10 g/kg	nal rabbit		
LD50 oral LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation 200 mg/kg bodyweight > 5000 mg/kg 10 g/kg > 10 g/kg > 10 g/kg > 10 g/kg > 10 g/kg Serious eye damage/irritation Not classified Respiratory or skin sensitisation May cause an allergic skin reaction.	alicylate (118-58-1)		
LD50 dermal rabbit > 5000 mg/kg Musk ketone (81-14-1) LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	rat		
Musk ketone (81-14-1) LD50 oral rat LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation in Not classified Respiratory or skin sensitisation in May cause an allergic skin reaction.			
LD50 oral rat 10 g/kg LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	nal rabbit		
LD50 dermal rabbit > 10 g/kg LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	tone (81-14-1)		
LC50 Inhalation - Rat > 2.99 mg/l/4h Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	rat		
Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	nal rabbit		
Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction.	alation - Rat		
Respiratory or skin sensitisation : May cause an allergic skin reaction.	sion/irritation :		
Germ cell mutagenicity : Not classified			
	nutagenicity :		
Carcinogenicity : Not classified	nicity :		
d-Limonene (5989-27-5)	ene (5989-27-5)		
IARC group 3 - Not classifiable	ab di		
Benzyl acetate (140-11-4)	cetate (140-11-4)		
IARC group 3 - Not classifiable	dr		
Eugenol (97-53-0)	(97-53-0)		
IARC group 3 - Not classifiable	dr		
Reproductive toxicity : Not classified	ve toxicity :		
STOT-single exposure : Not classified	le exposure :		
STOT-repeated exposure : Not classified			
Aspiration hazard : Not classified	hazard :		

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.

(chronic)

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d-Limonene (5989-27-5)	
LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Linalool (78-70-6)	
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
Nerol (106-25-2)	
LC50 - Fish [1]	20.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
Geraniol (106-24-1)	
LC50 - Fish [1]	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
Benzyl benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l
Benzyl salicylate (118-58-1)	
LC50 - Fish [1]	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

12.2. Persistence and degradability

Cedarwood oil, Texas (68990-83-0)	
Persistence and degradability	Not established.
Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow) 1.96	
Cedarwood oil, Texas (68990-83-0)	
Bioaccumulative potential Not established.	
Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow) 4	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1 UN number

 UN-No. (ADR)
 : UN 3082

 UN-No. (IMDG)
 : UN 3082

 UN-No. (IATA)
 : UN 3082

 UN-No. (ADN)
 : Not regulated

 UN-No. (RID)
 : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.

Proper Shipping Name (ADN) : Not regulated Proper Shipping Name (RID) : Not regulated

Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ACETYL

HEXAMETHYL TETRALIN), 9, III, (-)

Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ACETYL

HEXAMETHYL TETRALIN), 9, III, MARINE POLLUTANT

Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (ACETYL HEXAMETHYL

TETRALIN), 9, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)
Danger labels (ADR)



IMDG

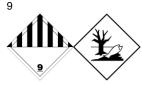
Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) :



IATA

Transport hazard class(es) (IATA) : 9
Danger labels (IATA) : 9



ADN

Transport hazard class(es) (ADN) : Not regulated

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RID

Transport hazard class(es) (RID) : Not regulated

14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III

Packing group (ADN) : Not regulated Packing group (RID) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Loading, unloading : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3082

Tunnel restriction code (ADR) : -EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP01, P001 Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) TP1, TP29 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-F Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L

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CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197, A215

ERG code (IATA) : 9L

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code Applicable on	
3(a)	d-Limonene
3(b)	Cedarwood & Jasmine at 25% in DPG; d-Limonene; Linalool; Nerol; Eugenol; Cedarwood oil, Texas; Sandela; Hexyl cinnamic aldehyde; Benzyl benzoate; Benzyl salicylate; Musk ketone; Geraniol
3(c)	Cedarwood & Jasmine at 25% in DPG; d-Limonene; Benzyl acetate; Cedarwood oil, Texas; Sandela; Hexyl cinnamic aldehyde; Benzyl benzoate; Benzyl salicylate; Musk ketone
40.	d-Limonene

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)

Observe restrictions according Act on the Protection of Young People in Employment

(JArbSchG)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Cedarwood oil, Texas ,Sandela are listed

SZW-lijst van mutagene stoffen : Sandela is listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

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Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with

the product

Switzerland

Storage class (LK) : LK 10/12 - Liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	

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Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 2	Carcinogenicity, Category 2	
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	
H226	Flammable liquid and vapour.	
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.	
H351	Suspected of causing cancer.	
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.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.