## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 11/11/2019 Revision date: 6/23/2021 Version: 1.0

# CandleCraft

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

#### 1.1. Product identifier

Product form : Mixture

Product name : Frankincense and Myrrh
UFI : KESY-21PX-X00C-N4Q8

Product code : CC-13030

Type of product : Perfumes, fragrances
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use Industrial/Professional use spec : For professional use only

Industrial

Use of the substance/mixture : Perfumes, fragrances 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

Candle Craft Weiherwiese 10 65510 Idstein - Germany T 49-6126-9363 -0

in fo@candle craft. de-www. candle craft. de

#### 1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731;

Brazil: +0-800-591-6042; India: +000-800-100-4086

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

May cause cancer. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

## 2.2. Label elements

Signal word (CLP)

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

Hazard pictograms (CLP) :





GHS07 GHS09

: Warning

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Contains : Cinnamic aldehyde; Citral; Clove leaf oil ; Geraniol; Eucalyptus oil; Grapefruit oil; Eugenol;

Methyl cinnamate; Helional; Iso E Super; Lemon oil; Linalyl acetate; Linalool

Hazard statements (CLP) : 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.

Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.

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.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

No additional information available

## **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]
Iso E Super	CAS-No.: 54464-57-2 EC-No.: 259-174-3 REACH-no: 01-2119489989- 04	5 – 8	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Ambercore	CAS-No.: 139504-68-0 EC-No.: 412-300-2 EC Index-No.: 603-154-00-2 REACH-no: 01-0000015959-	2.85 – 5.7	Aquatic Chronic 2, H411
Dihydromyrcenol	CAS-No.: 18479-58-8 EC-No.: 242-362-4 REACH-no: 01-2119457274- 37	2.125 – 4.25	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Clove leaf oil	CAS-No.: 8000-34-8 EC-No.: 616-772-2	1.35 – 2.7	Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
Eugenol	CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802- 33	1.25 – 2.5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Hexamethylindanopyran	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227- 29	1.25 – 2.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Verdox	CAS-No.: 88-41-5 EC-No.: 201-828-7 REACH-no: 01-2119970713- 33	1.225 – 2.45	Aquatic Chronic 2, H411
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789-	1.025 – 2.05	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3 REACH-no: 01-000015458-64	0.6125 – 2.041585	Eye Irrit. 2, H319
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-	0.8755 – 1.751	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Grapefruit oil	CAS-No.: 8016-20-4 EC-No.: 289-904-6;600-007-4	0.725 – 1.45	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Cinnamic aldehyde	CAS-No.: 104-55-2 EC-No.: 203-213-9 REACH-no: 01-2119935242- 45	0.625 – 1.25	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Cedarwood oil, Texas	CAS-No.: 68990-83-0 EC-No.: 294-461-7;614-888-8	0.4 – 0.8	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methyl cinnamate	CAS-No.: 103-26-4 EC-No.: 203-093-8 REACH-no: 01-2119979458- 16	0.25 – 0.5	Skin Sens. 1B, H317
Eucalyptus oil	CAS-No.: 8000-48-4 EC-No.: 283-406-2;286-249- 8;616-775-9 REACH-no: 01-2119978250- 37	0.175 – 0.35	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430-	0.15 – 0.3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Helional	CAS-No.: 1205-17-0 EC-No.: 214-881-6 REACH-no: 01-2120740119- 58	0.15 – 0.3	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Lemon oil	CAS-No.: 8008-56-8 EC-No.: 284-515-8;616-925-3	0.125 – 0.25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Citral	CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829- 23	0.075 – 0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 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 general : IF exposed or concerned: Get medical advice/attention.

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 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.

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 : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

## 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.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

## 6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 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. Notify authorities if product enters sewers or public waters.

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#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

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. Obtain special instructions before use. Do not

handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned

regularly. Avoid contact with skin and eyes. Avoid breathing

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

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated

clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of

the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

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

Storage temperature : 25 °C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.
Packaging materials : Do not store in corrodable metal.

## 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

Citral (5392-40-5)	
Belgium - Occupational Exposure Limits	
OEL TWA	32 mg/m³ (vapor and aerosol)
OEL TWA [ppm]	5 ppm (vapor and aerosol)
Chemical category	Skin
Ireland - Occupational Exposure Limits	
OEL TWA [2]	5 ppm
OEL STEL [ppm]	15 ppm (calculated)
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	27 mg/m³
NDSCh (OEL STEL)	54 mg/m³

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Citral (5392-40-5)		
Portugal - Occupational Exposure Limits		
OEL TWA [ppm]	5 ppm	
Chemical category	Sensitizer, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [2]	5 ppm (inhalable fraction and vapor)	
Chemical category	Sensitizer, skin - potential for cutaneous absorption	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	5 ppm (inhalable fraction and vapor)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer	

### 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

#### Hand protection:

Protective gloves

## 8.2.2.3. Respiratory protection

## Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

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#### 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 light yellow. amber. Odour characteristic. Odour threshold No data available No data available рΗ Relative evaporation rate (butylacetate=1) No data available Melting point Not applicable Freezing point : No data available Boiling point : No data available

Flash point : > 93 °C (closed cup) ASTM D7094

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available

Relative density :  $\approx 0.95$ 

Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

## 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.

## 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.

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## **SECTION 11: Toxicological information**

Acute toxicity (sram) : Not classified Acute toxicity (stama) : Not classified Classified Stama : Not classified Sta	11.1. Information on toxicological effects		
Ambercore (139504-68-0) LD60 dermal rat			
Ambercore (139504-68-0)			
Cinnamic aldehyde (104-55-2)		1101 5100511100	
LD50 oral rat	LD50 dermal rat	> 2000 mg/kg	
LD50 oral   Z200 mg/kg bodyweight	Cinnamic aldehyde (104-55-2)		
LD50 dermal rabbit   1260 mg/kg   LD50 dermal   1100 mg/kg bodyweight   LD50 dermal   1100 mg/kg bodyweight   LD50 oral rat   4960 mg/kg   LD50 dermal rabbit   2250 mg/kg   LD50 dermal rabbit   2250 mg/kg   LD50 dermal rabbit   2250 mg/kg bodyweight   LD50 oral rat   1370 mg/kg   LD50 oral rat   1370 mg/kg   LD50 dermal rabbit   1200 mg/kg bodyweight   LD50 dermal rabbit   1200 mg/kg   LD50 dermal rabbit   1200 mg/kg   LD50 dermal   2500 mg/kg bodyweight   LD50 dermal   2500 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   LD50 oral rat   2480 mg/kg   LD50 oral rat   2480 mg/kg   LD50 oral rat   1930 mg/kg   LD50 oral rat   2320 mg/kg bodyweight   LD50 oral rat   2320 mg/kg bodyweight   LD50 oral rat   2320 mg/kg bodyweight   LD50 oral rat   3250 mg/kg   LD50 oral rat   3250 mg/kg   LD50 oral rat   3600 mg/kg bodyweight   LD50 oral rabbit   > 5 g/kg   Carabertuit oil (8016-20-4)	LD50 oral rat	2220 mg/kg	
LD50 dermal	LD50 oral	2200 mg/kg bodyweight	
Citral (5392-40-5)           LD50 oral rat         4960 mg/kg           LD50 dermal rabbit         2250 mg/kg           LD50 dermal         2250 mg/kg bodyweight           Clove teaf oil (8000-34-8)           LD50 oral rat         1370 mg/kg           LD50 oral rat         12650 mg/kg bodyweight           LD50 dermal rabbit         1200 mg/kg           LD50 dermal rabbit         2500 mg/kg bodyweight           Dihydromyrcenol (18479-58-8)           LD50 oral rat         3600 mg/kg bodyweight           LD50 oral rat         3600 mg/kg bodyweight           LD50 oral rabbit         > 5 g/kg           Eucalyptus oil (8000-48-4)           LD50 oral rat         2480 mg/kg           LD50 oral rat         1930 mg/kg           LD50 oral rat         1930 mg/kg           LD50 oral rat         > 3250 mg/kg           LD50 oral rat         > 3250 mg/kg           LD50 oral rat         > 3250 mg/kg           LD50 oral rat         3600 mg/kg           LD50 oral rat </td <td>LD50 dermal rabbit</td> <td>1260 mg/kg</td>	LD50 dermal rabbit	1260 mg/kg	
LD50 oral rat	LD50 dermal	1100 mg/kg bodyweight	
LD50 dermal rabbit   2250 mg/kg   LD50 dermal   2250 mg/kg bodyweight	Citral (5392-40-5)		
D50 dermal   2250 mg/kg bodyweight	LD50 oral rat	4960 mg/kg	
Clove leaf oil (8000-34-8)	LD50 dermal rabbit	2250 mg/kg	
LD50 oral rat	LD50 dermal	2250 mg/kg bodyweight	
LD50 oral   2650 mg/kg bodyweight   1200 mg/kg   LD50 dermal rabbit   1200 mg/kg   LD50 dermal   2500 mg/kg bodyweight   LD50 dermal   2500 mg/kg bodyweight   LD50 oral rat   3600 mg/kg   3600 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   LD50 dermal rabbit   > 5 g/kg   LD50 oral rat   2480 mg/kg   LD50 oral rat   2480 mg/kg   LD50 oral rat   1930 mg/kg   LD50 oral rat   1930 mg/kg   LD50 oral rat   2500 mg/kg bodyweight   LD50 oral rat   2500 mg/kg bodyweight   LD50 oral rat   2500 mg/kg bodyweight   LD50 oral rat   > 3250 mg/kg   LD50 oral rat   > 3250 mg/kg   LD50 oral rat   3600 mg/kg   S000 mg/kg   S00	Clove leaf oil (8000-34-8)		
LD50 dermal rabbit   1200 mg/kg   2500 mg/kg bodyweight   LD50 dermal   2500 mg/kg bodyweight   LD50 oral rat   3600 mg/kg   3600 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   LD50 dermal rabbit   > 5 g/kg   LD50 oral rat   2480 mg/kg   LD50 oral rat   1930 mg/kg   LD50 oral rat   1930 mg/kg   LD50 oral rat   1930 mg/kg   LD50 oral rat   2500 mg/kg bodyweight   LD50 oral rat   2500 mg/kg bodyweight   LD50 oral rat   > 3250 mg/kg   LD50 oral rat   > 3600 mg/kg   Seraniol (106-24-1)   LD50 oral rat   3600 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   LD50 oral rat   3600 mg/kg bodyweight   > 5 g/kg   Csrapefruit oil (8016-20-4)	LD50 oral rat	1370 mg/kg	
Dihydromyrcenol (18479-58-8)   LD50 oral rat   3600 mg/kg     LD50 oral   3600 mg/kg     LD50 oral   3600 mg/kg     LD50 oral   3600 mg/kg     LD50 oral rat   2480 mg/kg     LD50 oral rat   1930 mg/kg     LD50 oral rat   1930 mg/kg     LD50 oral rat   2500 mg/kg     LD50 oral rat   3250 mg/kg     LD50 oral rat   3250 mg/kg     LD50 oral rat   3600 mg/kg     LD50 oral	LD50 oral	2650 mg/kg bodyweight	
Dihydromyrcenol (18479-58-8)           LD50 oral rat         3600 mg/kg bodyweight           LD50 dermal rabbit         > 5 g/kg           Eucalyptus oil (8000-48-4)         2480 mg/kg           LD50 oral rat         2480 mg/kg           Eugenol (97-53-0)         1930 mg/kg           LD50 oral rat         2500 mg/kg bodyweight           Hexamethylindanopyran (1222-05-5)         1050 oral rat           LD50 oral rat         > 3250 mg/kg           LD50 dermal rabbit         > 3250 mg/kg           Geraniol (106-24-1)         1050 oral rat           LD50 oral rat         3600 mg/kg bodyweight           LD50 oral rat         3600 mg/kg bodyweight           LD50 dermal rabbit         > 5 g/kg           Grapefruit oil (8016-20-4)	LD50 dermal rabbit	1200 mg/kg	
LD50 oral rat   3600 mg/kg bodyweight	LD50 dermal	2500 mg/kg bodyweight	
LD50 oral 3600 mg/kg bodyweight  LD50 dermal rabbit > 5 g/kg  Eucalyptus oil (8000-48-4)  LD50 oral rat 2480 mg/kg  Eugenol (97-53-0)  LD50 oral rat 1930 mg/kg  LD50 oral rat 2500 mg/kg bodyweight  Hexamethylindanopyran (1222-05-5)  LD50 oral rat > 3250 mg/kg  LD50 dermal rabbit > 3250 mg/kg  Geraniol (106-24-1)  LD50 oral rat 3600 mg/kg  LD50 oral rat 3600 mg/kg bodyweight  LD50 oral 3600 mg/kg bodyweight  LD50 dermal rabbit > 5 g/kg  Grapefruit oil (8016-20-4)	Dihydromyrcenol (18479-58-8)		
Eucalyptus oil (8000-48-4)	LD50 oral rat	3600 mg/kg	
Eucalyptus oil (8000-48-4)  LD50 oral rat	LD50 oral	3600 mg/kg bodyweight	
LD50 oral rat       2480 mg/kg         Eugenol (97-53-0)       1930 mg/kg         LD50 oral rat       2500 mg/kg bodyweight         Hexamethylindanopyran (1222-05-5)         LD50 oral rat       > 3250 mg/kg         LD50 dermal rabbit       > 3250 mg/kg         Geraniol (106-24-1)         LD50 oral rat       3600 mg/kg         LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	LD50 dermal rabbit	> 5 g/kg	
Eugenol (97-53-0)         LD50 oral rat       1930 mg/kg         LD50 oral       2500 mg/kg bodyweight         Hexamethylindanopyran (1222-05-5)         LD50 oral rat       > 3250 mg/kg         LD50 dermal rabbit       > 3250 mg/kg         Geraniol (106-24-1)         LD50 oral rat       3600 mg/kg         LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	Eucalyptus oil (8000-48-4)		
LD50 oral rat       1930 mg/kg         LD50 oral       2500 mg/kg bodyweight         Hexamethylindanopyran (1222-05-5)         LD50 oral rat       > 3250 mg/kg         LD50 dermal rabbit       > 3250 mg/kg         Geraniol (106-24-1)         LD50 oral rat       3600 mg/kg         LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	LD50 oral rat	2480 mg/kg	
LD50 oral       2500 mg/kg bodyweight         Hexamethylindanopyran (1222-05-5)         LD50 oral rat       > 3250 mg/kg         LD50 dermal rabbit       > 3250 mg/kg         Geraniol (106-24-1)         LD50 oral rat       3600 mg/kg         LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	Eugenol (97-53-0)		
Hexamethylindanopyran (1222-05-5)   LD50 oral rat	LD50 oral rat	1930 mg/kg	
LD50 oral rat       > 3250 mg/kg         LD50 dermal rabbit       > 3250 mg/kg         Geraniol (106-24-1)         LD50 oral rat       3600 mg/kg         LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	LD50 oral	2500 mg/kg bodyweight	
LD50 dermal rabbit       > 3250 mg/kg         Geraniol (106-24-1)	Hexamethylindanopyran (1222-05-5)		
Geraniol (106-24-1)           LD50 oral rat         3600 mg/kg           LD50 oral         3600 mg/kg bodyweight           LD50 dermal rabbit         > 5 g/kg           Grapefruit oil (8016-20-4)	LD50 oral rat	> 3250 mg/kg	
LD50 oral rat       3600 mg/kg         LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	LD50 dermal rabbit	> 3250 mg/kg	
LD50 oral       3600 mg/kg bodyweight         LD50 dermal rabbit       > 5 g/kg         Grapefruit oil (8016-20-4)	Geraniol (106-24-1)		
LD50 dermal rabbit > 5 g/kg  Grapefruit oil (8016-20-4)	LD50 oral rat	3600 mg/kg	
Grapefruit oil (8016-20-4)	LD50 oral	3600 mg/kg bodyweight	
	LD50 dermal rabbit	> 5 g/kg	
LD50 oral rat > 5 g/kg	Grapefruit oil (8016-20-4)		
	LD50 oral rat	> 5 g/kg	

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Helional (1205-17-0)	
LD50 dermal rabbit	> 2000 mg/kg
Linalool (78-70-6)	
LD50 oral	2790 mg/kg bodyweight
Linalyl acetate (115-95-7)	
LD50 oral rat	14550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Lemon oil (8008-56-8)	
LD50 oral rat	2840 mg/kg
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (	63500-71-0)
LD50 dermal rabbit	> 2000 mg/kg
Methyl cinnamate (103-26-4)	
LD50 oral rat	2610 mg/kg
LD50 oral	2610 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg bodyweight
Serious eye damage/irritation : Respiratory or skin sensitisation : Germ cell mutagenicity :	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Not classified Not classified
Eugenol (97-53-0)	
IARC group	3 - Not classifiable
STOT-single exposure : STOT-repeated exposure :	Not classified Not classified Not classified Not classified Not classified
·	

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Toxic 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)

(***********)	
Citral (5392-40-5)	
EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	16 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	19 mg/l (Species: Desmodesmus subspicatus)

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Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
Hexamethylindanopyran (1222-05-5)	
LC50 - Fish [1]	0.452 mg/l Wolf, 1996d-27682
LC50 - Other aquatic organisms [1]	> 0.14 mg/l REACH DOSSIER Pimephales promelas
EC50 - Crustacea [2]	260 μg/l REACH Dossier
EC50 - Other aquatic organisms [1]	0.131 mg/l REACH Dossier
Geraniol (106-24-1)	
LC50 - Fish [1]	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
Linalool (78-70-6)	
EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
Linalyl acetate (115-95-7)	
LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through])
Methyl cinnamate (103-26-4)	
LC50 - Fish [1]	2.76 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
12.2. Persistence and degradability	
Cedarwood oil, Texas (68990-83-0)	
Persistence and degradability	Not established.
Eucalyptus oil (8000-48-4)	
Persistence and degradability	Not established.
Methyl cinnamate (103-26-4)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)
Cedarwood oil, Texas (68990-83-0)	
Bioaccumulative potential	Not established.
Citral (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)
Eucalyptus oil (8000-48-4)	
Bioaccumulative potential	Not established.

## 12.4. Mobility in soil

Bioaccumulative potential

No additional information available

Methyl cinnamate (103-26-4)

Not established.

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### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

## **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)
 : UN 3082

 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) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (RID) : Not regulated

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

(Hexamethylindanopyran), 9, III, (-)

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

(Hexamethylindanopyran), 9, III, MARINE POLLUTANT

Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Hexamethylindanopyran), 9,

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

(Hexamethylindanopyran), 9, III

### 14.3. Transport hazard class(es)

## ADR

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



#### IMDG

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



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#### IATA

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



ADN

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



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) : III

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

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: A

#### Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 : LP01, P001 Packing instructions (IMDG) Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP2, TP29 : F-A EmS-No. (Fire) : S-F EmS-No. (Spillage)

#### Air transport

Stowage category (IMDG)

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

Special provisions (IATA) : A97, A158, A197

ERG code (IATA) : 9L

#### Inland waterway transport

Classification code (ADN) : M6

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

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 0

#### 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)	Eucalyptus oil ; Grapefruit oil ; Lemon oil
3(b)	Frankincense and Myrrh CC-13030; Cinnamic aldehyde; Citral; Cedarwood oil, Texas; Clove leaf oil; Geraniol; Dihydromyrcenol; Eucalyptus oil; Grapefruit oil; Eugenol; Helional; Iso E Super; Lemon oil; Linalyl acetate; Linalool; 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol
3(c)	Frankincense and Myrrh CC-13030 ; Ambercore ; Cinnamic aldehyde ; Cedarwood oil, Texas ; Eucalyptus oil ; Grapefruit oil ; Hexamethylindanopyran ; Helional ; Iso E Super ; Lemon oil ; Verdox
40.	Eucalyptus oil ; Grapefruit oil ; Lemon oil

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.

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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

## 15.1.2. National regulations

#### Germany

Water hazard class (WGK)

Hazardous Incident Ordinance (12. BlmSchV)

List of sensitizing substances (TRGS 907)

Netherlands

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Ontwikkeling

Denmark

Classification remarks

Danish National Regulations

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

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

: Contains sensitizing substances according TRGS 907

: Cedarwood oil, Texas ,Eucalyptus oil,Grapefruit oil,Lemon oil are listed

: Eucalyptus oil, Grapefruit oil, Lemon oil are listed

: None of the components are listed

: None of the components are listed

: None of the components are listed

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

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

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Full text of H- and EUH-statements	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
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
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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
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.
H318	Causes serious eye damage.

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Full text of H- and EUH-statements	
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.

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.