

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : Ptolemy Poured Candle  
Product code : F01HM02  
Product SKU : AHM02  
Country of Origin : France

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Scented Poured Candle

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Australian Address:**

Emeis Cosmetics Pty Ltd.  
23 Waterloo Road,  
Collingwood VIC 3066,  
Australia

**EU Address:**

Aesop Netherlands B.V.  
Utrechtsestraat 93  
1017VK  
Amsterdam  
Netherlands

**UK Address:**

Aesop UK Limited  
3rd Floor Hays Galleria  
1 Hays Lane,  
London, SE1 2HD

**Switzerland Address:**

Aesop Switzerland AG  
Gasometerstrasse 16  
8005 Zurich  
Switzerland

Telephone: +61 3 9412 8900

E-mail: aesop@aesop.com

**1.4. Emergency telephone number**

Emergency number : Australia: 1800 033 111  
Worldwide: +61 3 9663 2130

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin Irrit. 2 H315  
Skin Sens. 1 H317  
Aquatic Acute 1 H400

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Aquatic Chronic 1

H410

Full text of hazard classes and H-statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

Contains

: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one; Pin-2(3)-ene; Isoeugenol; delta-3-carene

Hazard statements (CLP)

: H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P261 - Avoid breathing dust.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P501 - Dispose of contents and container to an authorised waste collection point.

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, 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]
Paraffin Wax Triglyceride	(CAS-No.) 8002-74-2	20 - 40	Not classified
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one	(CAS-No.) 54464-57-2 (EC No.) 259-174-3 (REACH-no) 01-2119489989-04-XXXX	2.5 - 10	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410
Linalool	(CAS-No.) 78-70-6 (EC No.) 201-134-4 (REACH-no) 01-2119474016-42-XXXX	0 - 2.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Pin-2(3)-ene	(CAS-No.) 80-56-8 (EC No.) 201-291-9 (REACH-no) 01-2119519223-49-XXXX	0 - 2.5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Isoeugenol	(CAS-No.) 97-54-1 (EC No.) 202-590-7 (EC index No.) 604-094-00-X	0 - 2.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 STOT SE 3, H335
Eugenol	(CAS-No.) 97-53-0 (EC No.) 202-589-1 (REACH-no) 01-2119971802-33-XXXX	2.5	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Pin-2(10)-ene	(CAS-No.) 127-91-3 (EC No.) 204-872-5 (REACH-no) 01-2119519230-54-XXXX	0 - 2.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alpha Cedrene	(CAS-No.) 469-61-4 (EC No.) 207-418-4	0 - 2.5	Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Cedryl acetate	(CAS-No.) 77-54-3 (EC No.) 201-036-1	2.5	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cedrol	(CAS-No.) 77-53-2 (EC No.) 201-035-6	2.5	Not classified
2,2,6-trimethyl- $\alpha$ -propylcyclohexanepropanol	(CAS-No.) 70788-30-6 (EC No.) 274-892-7	2.5	Skin Sens. 1B, H317
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene	(CAS-No.) 144020-22-4 (EC No.) 482-330-9	2.5	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
delta-3-carene	(CAS-No.) 13466-78-9 (EC No.) 236-719-3 (REACH-no) 01-2119520252-55-XXXX	2.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove to fresh air, keep the patient warm and at rest. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction. Causes skin irritation.
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Symptoms/effects after eye contact : May cause slight irritation to eyes.

### 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 : Foam. Dry chemical. Carbon dioxide. For large fire: Water spray.  
Unsuitable extinguishing media : Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable. Will burn if heated.  
Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

Firefighting instructions : Cool closed containers exposed to fire with water spray. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.  
Protection during firefighting : As in any fire, wear self-contained breathing apparatus and full protective gear.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Remove ignition sources. Ventilate area. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required. See Section 8.  
Emergency procedures : Remove ignition sources. Ventilate area. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

For containment : Stop leak, if possible without risk.  
Methods for cleaning up : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). If melted: allow liquid to solidify before taking it up.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Drilling, cutting or reshaping of the product will generate dust. Dust may form explosive mixture in air. Avoid dust formation. Avoid breathing dust. Provide adequate ventilation to minimise dust concentrations. Avoid contact with skin, eyes and clothing.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace.

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

Storage conditions : Store in a dry, cool and well-ventilated place. Keep out of reach of children.  
Incompatible materials : Oxidising agents.  
Storage temperature : 18 – 25 °C

### 7.3. Specific end use(s)

Scented Poured Candle.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Paraffin Wax Triglyceride (8002-74-2)	
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Paraffin wax, fume
OEL (8 hours ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
OEL (15 min ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Regulatory reference	Chemical Agents Code of Practice 2020
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Paraffin wax
WEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> fume
WEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> fume
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 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:

Provide adequate ventilation to minimise dust concentrations. Ensure exposure is below occupational exposure limits (where available). Local exhaust ventilation (LEV) may be required to control inhalation exposure.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### 8.2.2.1. Eye and face protection

###### Eye protection:

Wear goggles or safety glasses with side shields if contact with the eyes is possible. Standard EN 166 - Personal eye-protection.

##### 8.2.2.2. Skin protection

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### Skin and body protection:

Long-sleeved protective clothing

### Hand protection:

Wear protective gloves if skin contact is possible. Standard EN 374 - Protective gloves against chemicals. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Not required for normal conditions of use. In case of insufficient ventilation and possible dust formation, wear suitable respiratory equipment. Dust mask or respirator. Standard EN 149 – Respiratory protective devices

### 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

Wear heat-resistant gloves and clothing if the product is heated.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Solid.
Colour	: No data available
Odour	: Characteristic of Hwyl Hinoki. Woody. Leathery. Cypress. Sandalwood. Incense.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: < 1 (Water = 1)
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

Drilling, cutting or reshaping of the product will generate dust. Dust may form explosive mixture in air.

#### 10.4. Conditions to avoid

Dust formation.

#### 10.5. Incompatible materials

Oxidising agents.

#### 10.6. Hazardous decomposition products

In case of fire product can release: Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Linalool (78-70-6)	
LD50 oral, rat	≈ 2200 mg/kg bodyweight (mouse)(OECD 401 method)
LD50 dermal, rabbit	5610 mg/kg bodyweight (OECD 402 method)
LC50, Inhalation, mouse	> 3.2 mg/l (90 minutes, vapours)

Pin-2(3)-ene (80-56-8)	
LD50 oral, rat	> 500 mg/kg bodyweight (female), (OECD 423 method)
LD50 dermal, rabbit	> 2000 mg/kg (OECD 402 method)

Cedrol (77-53-2)	
LD50 oral, rat	2000 mg/kg bodyweight

Cedryl acetate (77-54-3)	
LD50 oral, rat	44750 mg/kg bodyweight

Eugenol (97-53-0)	
LD50 oral, rat	> 2000 mg/kg bodyweight (OECD 423 method)
LC50 inhalation, rat (mg/l)	> 2.6 mg/l - 4 Hours, Aerosol (OECD 403 method)

Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (144020-22-4)	
LD50 oral, rat	> 5000 mg/kg bodyweight

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LD50 dermal, rat	> 2000 mg/kg bodyweight
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Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### Eugenol (97-53-0)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### Isoeugenol (97-54-1)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms	: Causes skin irritation,May cause slight irritation to eyes,May cause an allergic skin reaction.
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## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

### Linalool (78-70-6)

LC50 fish	27.8 mg/l - 96 Hours (Oncorhynchus mykiss)(OECD 203 method)
EC50 Daphnia	59 mg/l - 48 Hours (Daphnia magna)(OECD 202 method)
EC50 96h - Algae [1]	156 mg/l - 96 Hours (Desmodesmus subspicatus, Growth rate)(DIN 38412 L 9)
EC50 96h - Algae [2]	88.3 mg/l - 96 Hours (Desmodesmus subspicatus, Biomass)(DIN 38412 L 9)

### Pin-2(3)-ene (80-56-8)

LC50 fish	0.303 mg/l - 96 Hours (Danio rerio) (OECD 203 method)
EC50 Daphnia	0.475 mg/l - 48 Hours (Daphnia magna, Mobility), (OECD 202 method)
NOEC, algae	0.131 mg/l (48 Hours, Pseudokirchneriella subcapitata, Growth rate (OECD 201 method))



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<b>Cedrol (77-53-2)</b>	
EC50 Daphnia	1.225 mg/l - 48 Hours (QSAR)
EC50 72h - Algae [1]	1.596 mg/l - 96 Hours (QSAR)

<b>Cedryl acetate (77-54-3)</b>	
LC50 fish	≈ 15.61 mg/l - 96 Hours (Danio rerio)
EC50 Daphnia	0.33 mg/l - 48 Hours (Daphnia magna)
ErC50 algae	> 0.31 mg/l - 72 Hours (Pseudokirchneriella subcapitata)

<b>Eugenol (97-53-0)</b>	
LC50 fish	13 mg/l - 96 Hours (Danio rerio), (OECD 203 method)
EC50 Daphnia	1.13 mg/l - 48 Hours (Daphnia magna, Mobility), (OECD 202 method)
ErC50 algae	24 mg/l - 72 Hours (Desmodesmus subspicatus), (OECD 201 method)
NOEC, algae	23 mg/l (72 Hours, Desmodesmus subspicatus, Growth rate (OECD 201 method))

<b>Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (144020-22-4)</b>	
LC50 fish	0.63 mg/l - 96 Hours (Oncorhynchus mykiss)
EC50 Daphnia	1.82 mg/l - 48 Hours (Daphnia magna)
ErC50 algae	3.6 mg/l - 72 Hours (Pseudokirchneriella subcapitata)
NOEC chronic algae	0.841 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate)

### 12.2. Persistence and degradability

<b>Ptolemy Poured Candle</b>	
Persistence and degradability	Expected to be biodegradable.

<b>Linalool (78-70-6)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	64.2 % - 28 days (OECD 301D method)

<b>Pin-2(3)-ene (80-56-8)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	68 % - 28 days (Activated sludge), (OECD 301D method)

<b>Cedrol (77-53-2)</b>	
Persistence and degradability	Readily biodegradable.

<b>Cedryl acetate (77-54-3)</b>	
Persistence and degradability	Readily biodegradable.

<b>Eugenol (97-53-0)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	82 % - 28 days (Activated sludge), (Test method EU C.4-E)

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Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (144020-22-4)	
Persistence and degradability	Not readily biodegradable.

### 12.3. Bioaccumulative potential

Ptolemy Poured Candle	
Bioaccumulative potential	No information available.

Linalool (78-70-6)	
Log Pow	2.9 (20 °C, pH: 7)
Bioaccumulative potential	Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Cedrol (77-53-2)	
Log Pow	4.326 (QSAR)

Eugenol (97-53-0)	
Log Pow	1.83 (30 °C, pH 5.5), (OECD 117 method)
Bioaccumulative potential	Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (144020-22-4)	
Log Pow	5.3 – 5.8 (25 °C)

### 12.4. Mobility in soil

Ptolemy Poured Candle	
Ecology - soil	No information available.

Linalool (78-70-6)	
Ecology - soil	Miscible with water.

Pin-2(3)-ene (80-56-8)	
Ecology - soil	Slightly soluble in: Water.

Eugenol (97-53-0)	
Ecology - soil	Miscible with water.

Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (144020-22-4)	
Log Koc	≈ 4.1

### 12.5. Results of PBT and vPvB assessment

Ptolemy Poured Candle	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

### 12.6. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. The correct waste code must be determined by the producer of the waste, based on how the waste has been produced.
- Additional information : Handle empty containers with care.
- Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

#### 14.1 UN number

- UN-No. (ADR) : UN 3077
- UN-No. (IMDG) : UN 3077
- UN-No. (IATA) : UN 3077

#### 14.2. UN proper shipping name

- Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alpha Cedrene)
- Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alpha Cedrene)
- Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s. (Alpha Cedrene)
- Transport document description (ADR) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alpha Cedrene), 9, III, (-)
- Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alpha Cedrene), 9, III, MARINE POLLUTANT
- Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s. (Alpha Cedrene), 9, III

#### 14.3. Transport hazard class(es)

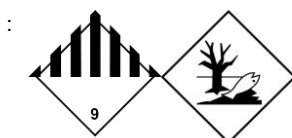
##### ADR

- Transport hazard class(es) (ADR) : 9
- Hazard labels : 9



##### IMDG

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



##### IATA

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



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### 14.4. Packing group

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

### 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

Tunnel restriction code (ADR) : -

#### Transport by sea

No data available

#### Air transport

No data available

### 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

Authorisations and/or restrictions on use (Annex XVII):		
Reference code	Applicable on	Entry title or description
3.	Linalool ; 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; Alpha Cedrene ; Pin-2(3)-ene ; Isoeugenol ; Pin-2(10)-ene ; Eugenol ; Cedryl acetate ; 2,2,6-trimethyl- $\alpha$ -propylcyclohexanepropanol ; Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatiene ; delta-3-carene	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
3(a)	Pin-2(3)-ene ; Pin-2(10)-ene ; delta-3-carene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Linalool ; 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; Alpha Cedrene ; Pin-2(3)-ene ; Isoeugenol ; Pin-2(10)-ene ; Eugenol ; Cedryl acetate ; 2,2,6-trimethyl- $\alpha$ -propylcyclohexanepropanol ; Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatiene ; delta-3-carene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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3(c)	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; Alpha Cedrene ; Pin-2(3)-ene ; Pin-2(10)-ene ; Cedryl acetate ; Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene ; delta-3-carene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Pin-2(3)-ene ; Pin-2(10)-ene ; delta-3-carene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

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

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:	
	ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route)
	BCF (Bioconcentration factor)
	CAS (Chemical Abstracts Service) number
	CLP (Classification, Labeling and Packaging)
	DNEL (Derived No Effect Level)
	EC (European Community)
	EC50 (Effective Concentration 50%)
	EN (European Norm)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IBC (Intermediate Bulk Container)
	IMDG (International Maritime Dangerous Goods Code)
	IOELV (Indicative Occupational Exposure Limit)
	Koc (Soil adsorption coefficient)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OEL (Occupational exposure limit)
	NOEC (No Observed Effect Concentration)
	PBT (Persistent, Bioaccumulative and Toxic)
	PNEC (Predicted No Effect Concentration)

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	QSAR (Quantitative Structure-Activity Relationship)
	REACH (Registration, Evaluation and Authorisation of CHemicals)
	SCOEL (Scientific Committee on Occupational Exposure Limits)
	STEL (Short Term Exposure Limit)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	UVCB (Unknown or Variable composition, Complex reaction products or Biological materials)
	vPvB (very Persistent and very Bioaccumulative)
	WAF (Water Accommodated Fraction)

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : Classification procedure according to Regulation (EC) No. 1272/2008 [CLP]: Physical hazards: On basis of test data. Health hazards: Calculation method. Environmental hazards: Calculation method.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), 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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), EU

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