

## ALLERGEN DECLARATION

Fragrance ingredients restricted as potential allergens in Annex III of the European Cosmetic Regulation (EC) 1223/2009 and its amendments.

### SANDALWOOD FRAGRANCE

Ingredient Name	CAS	Concentration (%)
3-PROPYLIDENEPHTHALIDE	17369-59-4	n.d.
6-METHYL COUMARIN	92-48-8	n.d.
ACETYL CEDRENE	32388-55-9	3.500%
ALPHA-ISOMETHYL IONONE	127-51-5	n.d.
ALPHA-TERPINENE	99-86-5	n.d.
AMYL CINNAMAL	122-40-7	n.d.
AMYL SALICYLATE	2050-08-0	n.d.
AMYLCINNAMYL ALCOHOL	101-85-9	n.d.
ANETHOLE	104-46-1, 4180-23-8	n.d.
ANISE ALCOHOL	105-13-5	n.d.
BENZALDEHYDE	100-52-7	n.d.
BENZYL ALCOHOL	100-51-6	n.d.
BENZYL BENZOATE	120-51-4	n.d.
BENZYL CINNAMATE	103-41-3	n.d.
BENZYL SALICYLATE	118-58-1	n.d.
BETA-CARYOPHYLLENE	87-44-5	0.037%
CAMPHOR	76-22-2, 464-49-3, 21368-68-3, 464-48-2	0.150%
CANANGA ODORATA OIL/EXTRACT	8006-81-3, 68606-83-7, 83863-30-3, 93686-30-7	n.d.
CARVONE	99-49-0, 2244-16-8, 6485-40-1	n.d.
CEDRUS ATLANTICA OIL/EXTRACT	8023-85-6, 92201-55-3	n.d.
CINNAMAL	104-55-2	0.150%
CINNAMOMUM CASSIA LEAF OIL	8007-80-5, 84961-46-6	n.d.
CINNAMOMUM ZEYLANICUM BARK OIL	8015-91-6, 84649-98-9	n.d.
CINNAMYL ALCOHOL	104-54-1	n.d.
CITRAL	5392-40-5, 141-27-5, 106-26-3	n.d.
CITRONELLOL	106-22-9, 1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 7540-51-4	n.d.
CITRUS AURANTIUM BERGAMIA PEEL OIL	8007-75-8, 89957-91-5, 68648-33-9, 85049-52-1	n.d.
CITRUS AURANTIUM FLOWER OIL	72968-50-4, 8028-48-6, 8016-38-4	n.d.
CITRUS AURANTIUM PEEL OIL	68916-04-1, 72968-50-4, 97766-30-8, 8028-48-6, 8008-57-9	n.d.

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Ingredient Name	CAS	Concentration (%)
CITRUS LIMON PEEL OIL	8008-56-8, 84929-31-7	n.d.
COUMARIN	91-64-5	0.500%
DIMETHYL PHENETHYL ACETATE	151-05-3	n.d.
EUCALYPTUS GLOBULUS OIL	8000-48-4, 97926-40-4	n.d.
EUGENIA CARYOPHYLLUS OIL	8000-34-8, 8015-97-2, 84961-50-2	n.d.
EUGENOL	97-53-0	0.300%
EUGENYL ACETATE	93-28-7	n.d.
EVERNIA FURFURACEA EXTRACT	90028-67-4, 68648-41-9, 68917-40-8	n.d.
EVERNIA PRUNASTRI EXTRACT	90028-68-5, 68917-10-2, 9000-50-4	n.d.
FARNESOL	4602-84-0	n.d.
GERANIOL	106-24-1	n.d.
GERANYL ACETATE	105-87-3	n.d.
HEXADECANOLACTONE	109-29-5	n.d.
HEXAMETHYLINDANOPYRAN	1222-05-5	2.275%
HEXYL CINNAMAL	101-86-0	n.d.
HYDROXYCITRONELLAL	107-75-5	n.d.
ISOEUGENOL	97-54-1, 5932-68-3, 5912-86-7	0.200%
ISOEUGENYL ACETATE	93-29-8	n.d.
JASMINE OIL/EXTRACT	84776-64-7, 90045-94-6, 8022-96-6, 8024-43-9	n.d.
JUNIPERUS VIRGINIANA OIL	8000-27-9, 85085-41-2	n.d.
LAURUS NOBILIS LEAF OIL	8002-41-3, 8007-48-5, 84603-73-6	n.d.
LAVANDULA OIL/EXTRACT	91722-69-9, 8022-15-9, 93455-96-0, 93455-97-1, 92623-76-2, 84776-65-8, 8000-28-0, 90063-37-9	n.d.
LEMONGRASS OIL	8007-02-1, 89998-16-3, 91844-92-7	n.d.
LIMONENE	138-86-3, 7705-14-8, 5989-27-5, 5989-54-8	0.020%
LINALOOL	78-70-6, 126-91-0	n.d.
LINALYL ACETATE	115-95-7	n.d.
LIPPIA CITRIODORA ABSOLUTE	8024-12-2, 85116-63-8	n.d.
MENTHA PIPERITA OIL	8006-90-4, 84082-70-2	n.d.
MENTHA VIRIDIS LEAF OIL	8008-79-5, 84696-51-5	n.d.
MENTHOL	89-78-1, 1490-04-6, 2216-51-5, 15356-60-2	n.d.
METHYL 2-OCTYNOATE	111-12-6	n.d.

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Ingredient Name	CAS	Concentration (%)
METHYL SALICYLATE	119-36-8	n.d.
MYROXYLON PEREIRAE OIL/EXTRACT	8007-00-9	n.d.
NARCISSUS EXTRACT	90064-26-9, 68917-12-4, 90064-27-0, 90064-25-8	n.d.
PELARGONIUM GRAVEOLENS OIL	8000-46-2, 90082-51-2	n.d.
PINENE	80-56-8, 7785-70-8, 127-91-3, 18172-67-3	0.450%
PINUS MUGO	90082-72-7	n.d.
PINUS PUMILA	97676-05-6	n.d.
POGOSTEMON CABLIN OIL	8014-09-3, 84238-39-1	0.700%
ROSE FLOWER OIL/EXTRACT	8007-01-0, 90106-38-0, 93334-48-6, 84696-47-9, 84604-12-6, 84604-13-7, 92347-25-6	n.d.
ROSE KETONES	43052-87-5, 23726-94-5, 24720-09-0, 23696-85-7, 57378-68-4, 71048-82-3, 23726-92-3, 23726-91-2	0.125%
SALICYLALDEHYDE	90-02-8	n.d.
SANTALOL	115-71-9, 77-42-9, 11031-45-1	n.d.
SANTALUM ALBUM OIL	8006-87-9, 84787-70-2	n.d.
SCLAREOL	515-03-7	n.d.
TERPINEOL	8000-41-7, 98-55-5, 138-87-4, 586-81-2	0.003%
TERPINOLENE	586-62-9	0.002%
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	54464-57-2, 54464-59-4, 68155-66-8, 68155-67-9	7.500%
TRIMETHYLBENZENEPROPANOL	103694-68-4	n.d.
TRIMETHYLCYCLOPENTENYL METHYLISOPENTENOL	67801-20-1	n.d.
TURPENTINE	8006-64-2, 9005-90-7, 8052-14-0	0.500%
VANILLIN	121-33-5	n.d.

(n.d. = not detectable. Detection limit is 10ppm)

This declaration is a result of a calculated analysis of the formulation. These calculated concentrations do not replace chromatographic quantification on individual batches. Please note that the information contained herein is provided in good faith and is, to the best of our current knowledge, true and accurate at the time it is given, and may be subject to change. Fragrance Oils (International) Limited is not liable for any damages that may result from the misuse of this data. It is the responsibility of the person(s) placing the finished product on the market to perform their own evaluation including with respect to finished product applications. Any Customer product, marketing or other claims are the Customer's ultimate responsibility.

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** SANDALWOOD FRAGRANCE

**Version:** 24

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** SANDALWOOD FRAGRANCE (Contains:5,5,6-TRIMETHYLBICYCLOHEPT-2-YLCYCLOHEXANOL, CINNAMAL, ISOEUGENOL, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

**Other identifiers:** None

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

**Product uses:** Fragrances

#### 1.3 Details of the supplier of the safety data sheet

**Company name:** Imperial Supply Ltd.

**Company address:** Common Lane,  
Industrial Estate,  
Kenilworth, CV8 2EL,  
United Kingdom

**Contact:**

**E-Mail address:** info@craftovator.co.uk

**Company phone:** +44 1926 291009

#### 1.4 Emergency telephone number

**Emergency phone:** Outside Office Hours: +44 1926 291009

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Sensitization - Skin Category 1  
Toxic to Reproduction Category 2  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H317, May cause an allergic skin reaction.  
H361, Suspected of damaging fertility or the unborn child.  
H411, Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### **Classification under Regulation (EC) No 1272/2008**

**Signal word:** Warning

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**Hazard statements:** H317, May cause an allergic skin reaction.  
H361, Suspected of damaging fertility or the unborn child.  
H411, Toxic to aquatic life with long lasting effects.

**Supplemental Information:** EUH208, Contains (1S,2R,5S,7R,8R)-8-METHOXY-2,6,6,8-TETRAMETHYLTRICYCLO[5.3.1.0<sup>^{1,5}}</sup>UNDECANE, (E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE, 2,4-DIMETHYL-2-(5,6,7,8-TETRAHYDRO-5,5,8,8-TETRAMETHYL-2-NAPHTHALENYL)-1,3-DIOXOLANE, ACETYL CEDRENE, ALPHA-PINENES, COUMARIN, DELTA-DAMASCONE, DIHYDRO PENTAMETHYLINDANONE (DPMI), EUGENOL, ISOLONGIFOLANONE, METHYL ATRATATE. May produce an allergic reaction.

**Precautionary statements:** P202, Do not handle until all safety precautions have been read and understood.  
P261, Avoid breathing vapour or dust.  
P272, Contaminated work clothing should not be allowed out of the workplace.  
P273, Avoid release to the environment.  
P280, Wear protective gloves/eye protection/face protection.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P308/313, IF exposed or concerned: Get medical advice/attention.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P363, Wash contaminated clothing before reuse.  
P391, Collect spillage.  
P405, Store locked up.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



### 2.3 Other hazards

**Other hazards:** Sensitisers declared on a CLP Hazard Label: (1S,2R,5S,7R,8R)-8-METHOXY-2,6,6,8-TETRAMETHYLTRICYCLO[5.3.1.0<sup>^{1,5}}</sup>UNDECANE, (E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE, 2,4-DIMETHYL-2-(5,6,7,8-TETRAHYDRO-5,5,8,8-TETRAMETHYL-2-NAPHTHALENYL)-1,3-DIOXOLANE, ACETYL CEDRENE, ALPHA-PINENES, COUMARIN, DELTA-DAMASCONE, DIHYDRO PENTAMETHYLINDANONE (DPMI), EUGENOL, ISOLONGIFOLANONE, METHYL ATRATATE

Hydrocarbon Concentration %: 1.911%

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### Section 3. Composition / information on ingredients

#### 3.2 Mixtures

#### Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
TETRAMETHYL ACETYLOCTAHYDRON APHTHALENES	54464-57-2, 54464-59-4, 68155-66-8, 68155-67-9	259-174-3, 259-175-9, 268-978-3, 268-979-9, 915-730-3	01-2119489989-04-xxxx	5-<10%	SCI 2-SS 1B-EH C1; H315-H317-H410,-	
ACETYL CEDRENE	32388-55-9	251-020-3		1-<5%	SS 1B-EH A1-EH C1; H317-H410,-	oral: ATE = 4500 mg/kg bw
5,5,6-TRIMETHYLBICYCLOHEPT-2-YLCYCLOHEXANOL	3407-42-9	222-294-1	01-2119979583-21-xxxx	1-<5%	EDI 2-REP 2-EH A1-EH C2;H319-H361-H400-H411,-	
1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN	1222-05-5	214-946-9	01-2119488227-29-xxxx	1-<5%	EH A1-EH C1;H410,-	
COUMARIN	91-64-5	202-086-7		0.1-<1%	ATO 4-SS 1B-EH C3; H302-H317-H412,-	oral: ATE = 500 mg/kg bw
ISOLONGIFOLANONE	23787-90-8	245-890-3	01-2120136162-69-xxxx	0.1-<1%	SS 1B-EH C2;H317-H411,-	
(1S,2R,5S,7R,8R)-8-METHOXY-2,6,6,8-TETRAMETHYLTRICYCLO[5.3.1.0^{1,5}] UNDECANE	67874-81-1	267-510-5		0.1-<1%	SS 1B-EH A1-EH C1; H317-H410,-	
ALPHA-PINENES	80-56-8	201-291-9		0.1-<1%	FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304-H315-H317-H410,-	oral: ATE = 500 mg/kg bw
ALPHA-CEDRENE	469-61-4	207-418-4		0.1-<1%	SCI 2-AH 1-EH A1-EH C1;H304-H315-H410,-	M = 10-M = 10
EUGENOL	97-53-0	202-589-1		0.1-<1%	EDI 2-SS 1B;H317-H319,-	oral: ATE = 2500 mg/kg bw
METHYL ATRATATE	4707-47-5	225-193-0		0.1-<1%	SS 1B;H317,-	
ISOEUGENOL	97-54-1, 5932-68-3, 5912-86-7	202-590-7, 227-678-2, 227-633-7		0.1-<1%	ATO 4-ATD 4-ATI 4-SCI 2-EDI 2-SS 1A-STO-SE 3(RI);H302-H312-H315-H317-H319-H332-H335,-	Skin Sens. 1; H317; C ≥ 0.01%-inhalation: ATE = 1.5 mg/l (dusts or mists)-dermal: ATE = 1912 mg/kg bw-oral: ATE = 1500 mg/kg bw
2,4-DIMETHYL-2-(5,6,7,8-TETRAHYDRO-5,5,8,8-TETRAMETHYL-2-NAPHTHALENYL)-1,3-DIOXOLANE	131812-67-4, 131812-52-7, 131812-51-6	412-950-7	01-0000016016-79-xxxx	0.1-<1%	SS 1B-EH A1-EH C1; H317-H410,-	
CAMPHOR	76-22-2	200-945-0		0.1-<1%	FS 2-ATO 4-ATI 4-SCI 2-EDI 1-STO-SE 2-EH C2;H228-H302-H315-H318-H332-H371-H411,-	inhalation: ATE = 1.5 mg/l (dusts or mists)-oral: ATE = 1500 mg/kg bw

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CINNAMAL	104-55-2	203-213-9		0.1-<1%	ATD 4-SCI 2-EDI 2-SS 1A-EH C3;H312-H315-H317-H319-H412,-	Skin Sens. 1; H317; C ≥ 0.01%-dermal: ATE = 1260 mg/kg bw-oral: ATE = 2220 mg/kg bw
DELTA-DAMASCONE	57378-68-4	260-709-8		0.1-<1%	ATO 4-SCI 2-SS 1A-EH A1-EH C1;H302-H315-H317-H410,-	oral: ATE = 1400 mg/kg bw
DIHYDRO PENTAMETHYLINDAN ONE (DPMI)	33704-61-9	251-649-3		0.1-<1%	SCI 2-EDI 2-SS 1B-EH C2;H315-H317-H319-H411,-	oral: ATE = 2900 mg/kg bw
BETA CEDRENE	546-28-1	208-898-8		<0.1%	AH 1-EH A1-EH C1; H304-H410,-	M = 10-M = 10
(E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE	23726-93-4	245-844-2	01-2120105798-49-xxxx	<0.1%	ATI 4-SCI 2-SS 1A-EH C2;H315-H317-H332-H411,-	inhalation: ATE = 2.93 mg/l (dusts or mists)

### Substances with Community workplace exposure limits:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
CAMPHOR	76-22-2, 464-49-3, 21368-68-3, 464-48-2	200-945-0, 207-355-2, 244-350-4, 207-354-7		0.1-<1%	-;-,-	
DIETHYL PHTHALATE	84-66-2	201-550-6	01-2119486682-27-xxxx	50-100%	-;-,-	
TURPENTINE	8006-64-2, 9005-90-7, 8052-14-0	232-350-7, 232-688-5		0.1-<1%	-;-,-	

### Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

### Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

## Section 4. First-aid measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.  
**Eye exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.  
**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.  
**Ingestion:** Rinse mouth with water and obtain medical attention.

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

May cause an allergic skin reaction.  
 Suspected of damaging fertility or the unborn child.

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

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None expected, see Section 4.1 for further information.

### Section 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

#### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

### Section 6. Accidental release measures

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

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

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

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

### Section 7. Handling and storage

#### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

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

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.



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### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	Value
CAMPHOR	76-22-2, 464-49-3, 21368-68-3, 464-48-2	200-945-0, 207-355-2, 244-350-4, 207-354-7	UK Long-term exposure limit (8-hour TWA) (ppm)	2 ppm
			UK Long-term exposure limit (8-hour TWA) (mg/m <sup>3</sup> )	13 mg/m <sup>3</sup>
			UK Short-term exposure limit (15-minute) (ppm)	3 ppm
			UK Short-term exposure limit (15-minute) (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
DIETHYL PHTHALATE	84-66-2	201-550-6	UK Long-term exposure limit (8-hour TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
			UK Short-term exposure limit (15-minute) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
TURPENTINE	8006-64-2, 9005-90-7, 8052-14-0	232-350-7, 232-688-5	UK Long-term exposure limit (8-hour TWA) (ppm)	100 ppm
			UK Long-term exposure limit (8-hour TWA) (mg/m <sup>3</sup> )	566 mg/m <sup>3</sup>
			UK Short-term exposure limit (15-minute) (ppm)	150 ppm
			UK Short-term exposure limit (15-minute) (mg/m <sup>3</sup> )	850 mg/m <sup>3</sup>

#### 8.2 Exposure Controls

##### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

##### Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

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### Section 9. Physical and chemical properties

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

<b>Physical State/Colour:</b>	Clear pale yellow to yellow liquid
<b>Odour:</b>	Not determined
<b>Odour threshold:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range:</b>	Not determined
<b>Flammability:</b>	Not determined
<b>Lower and upper explosion limit:</b>	Not determined
<b>Flash point:</b>	> 100 °C
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not relevant
<b>pH:</b>	Not determined
<b>Kinematic viscosity:</b>	Not determined
<b>Solubility:</b>	Not determined
<b>Partition coefficient: n-octanol/water (log value):</b>	Not determined
<b>Vapour pressure:</b>	0.02515673 mmHg
<b>Density and/or relative density:</b>	1.0780
<b>Relative vapour density:</b>	Not determined
<b>Particle characteristics:</b>	Not determined

**9.2 Other information:** None available

### Section 10. Stability and reactivity

#### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

#### 10.2 Chemical stability:

Good stability under normal storage conditions.

#### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.

#### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

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### 10.6 Hazardous decomposition products:

Not expected.

## Section 11. Toxicological information

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

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

<b>Acute Toxicity:</b>	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Available
<b>Skin corrosion/irritation:</b>	Based on available data the classification criteria are not met.
<b>Serious eye damage/irritation:</b>	Based on available data the classification criteria are not met.
<b>Respiratory or skin sensitisation:</b>	Sensitization - Skin Category 1
<b>Germ cell mutagenicity:</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity:</b>	Toxic to Reproduction Category 2
<b>STOT-single exposure:</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data the classification criteria are not met.

### Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

### 11.2 Information on other hazards

Not Applicable

## Section 12. Ecological information

### 12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

<b>12.2 Persistence and degradability:</b>	Not available
<b>12.3 Bioaccumulative potential:</b>	Not available
<b>12.4 Mobility in soil:</b>	Not available
<b>12.5 Results of PBT and vPvB assessment:</b>	
This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.	
<b>12.6 Endocrine disrupting properties:</b>	Not Applicable
<b>12.7 Other adverse effects:</b>	Not available

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### Section 13. Disposal considerations

#### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
<b>UN Model Regulations</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, ALPHA-CEDRENE)	9	-	III
<b>IMDG</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, ALPHA-CEDRENE) MARINE POLLUTANT	9	-	III
<b>ADR,RID,ADN</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, ALPHA-CEDRENE)	9	-	III
<b>ICAO TI</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENE S, ALPHA-CEDRENE)	9	-	III

#### 14.5 Environmental hazards:

This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

#### 14.6 Special precautions for user:

None additional

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

### Section 15. Regulatory information

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

None additional

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

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### Section 16. Other information

**Concentration % Limits:** SS 1=5.00% REP 2=100.00% EH C2=13.01% EH C3=1.30%

**Total Fractional Values:** SS 1=20.01 REP 2=1.00 EH C2=7.69 EH C3=76.89

### **Key to revisions:**

Classification under Regulation (EC) No 1272/2008

Product identifier

SECTION 3: Composition/information on ingredients

### **Key to abbreviations:**

Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity - Dermal Category 4
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4
EDI 1	Eye Damage / Irritation Category 1
EDI 2	Eye Damage / Irritation Category 2
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3	Flammable Liquid, Hazard Category 3
FS 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs (organs, exposure route).
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.
P202	Do not handle until all safety precautions have been read and understood.

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P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P309/311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
REP 2	Toxic to Reproduction Category 2
SCI 2	Skin Corrosion / Irritation Category 2
SS 1A	Sensitization - Skin Category 1A
SS 1B	Sensitization - Skin Category 1B

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STO-SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2
STO-SE 3(RI)	Specific Target Organ Toxicity (Single Exposure) Category 3

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.