

# Safety data sheet

according to 1907/2006/EC, Article 31

Version number 1

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

### 1.1 Product identifier

**Product identification:** Concentrated mixture of aromatic raw materials (fragrance)

**Name:** MANDARIN & MONOI - STYLE RANGE

### 1.2 Relevant identified uses of the mixture

Manufacturing use only. Not for personal use in this form or concentration

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

Company: Escentscia Limited

Address: 6 Pioneer Park, Clough Road, Hull. HU6 7HW UK.

e-mail: [msds@escentscia.uk](mailto:msds@escentscia.uk)

website: [www.escentscia.uk](http://www.escentscia.uk)

Telephone: +44 (0)1482 332766

### 1.4 Emergency telephone number

Emergency telephone number: +44 (0)1482 332766

Opening hours: 09:00-16:00, Monday - Friday

**Further information obtainable from:** Technical Department

### 1.4 Emergency telephone number:

National Poisons Information Service

+44 121 507 4123

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**



environment

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

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Skin Irrit. 2      H315 Causes skin irritation.  
 Skin Sens. 1      H317 May cause an allergic skin reaction.

## 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

### Hazard pictograms



GHS07      GHS09

**Signal word** Warning

### Hazard-determining components of labelling:

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super)  
 3,7-dimethylnona-1,6-dien-3-ol  
 (R)-p-mentha-1,8-diene  
 3-(p-methoxyphenyl)-2-methylpropionaldehyde (Canthoxal)  
 2-Methyl-3-(p-isopropylphenyl)propionaldehyde (cyclamen aldehyde)  
 dl-Citronellol  
 cis-4-(isopropyl)cyclohexanemethanol (mayol)  
 Coumarin  
 Mandarin oil (Citrus nobilis peel oil expressed)  
 cis-3-Hexenyl methyl carbonate (Liffarom)

### Hazard statements

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P101      If medical advice is needed, have product container or label at hand.  
 P102      Keep out of reach of children.  
 P103      Read carefully and follow all instructions.  
 P261      Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273      Avoid release to the environment.  
 P280      Wear protective gloves.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P321      Specific treatment (see on this label).  
 P501      Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 54464-57-2 EINECS: 259-174-3	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super)	≤10%
	 Aquatic Chronic 1, H410 (M=1);  Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 1222-05-5 EINECS: 214-946-9 Index number: 603-212-00-7	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	>2.5–≤10%
	 Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1)	
CAS: 63500-71-0 ELINCS: 405-040-6	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (florol)	>2.5–<10%
	 Eye Irrit. 2, H319	
CAS: 10339-55-6 EINECS: 233-732-6	3,7-dimethylnona-1,6-dien-3-ol	>2.5–<10%
	 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-096-00-2	(R)-p-mentha-1,8-diene	≥1–<2.5%
	 Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410;  Skin Irrit. 2, H315; Skin Sens. 1B, H317	
CAS: 5462-06-6 EINECS: 226-749-5	3-(p-methoxyphenyl)-2-methylpropionaldehyde (Canthoxal)	≥1–≤2.5%
	 Skin Sens. 1, H317	
CAS: 67674-46-8 EINECS: 266-885-2	6,6-Dimethoxy-2,5,5-trimethylhex-2-ene (methyl pamplemousse)	<2.5%
	 Skin Irrit. 2, H315; Aquatic Chronic 3, H412	
CAS: 103-95-7 EINECS: 203-161-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde (cyclamen aldehyde)	≥0.1–<1%
	 Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol	≥0.1–<1%
	 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 13828-37-0 EINECS: 237-539-8	cis-4-(isopropyl)cyclohexanemethanol (mayol)	≥0.1–<1%
	 Skin Irrit. 2, H315; Skin Sens. 1B, H317	
CAS: 91-64-5 EINECS: 202-086-7	Coumarin	≥0.1–<1%
	 Acute Tox. 4, H302; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
CAS: 84929-38-4 EINECS: 284-521-0	Mandarine oil (Citrus nobilis peel oil expressed)	≥0.25–<1%
	 Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 67633-96-9 EINECS: 266-797-4	cis-3-Hexenyl methyl carbonate (Liffarom)	≥0.1–<1%
	 Skin Sens. 1B, H317	
CAS: 23696-85-7 EINECS: 245-833-2	1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one	≥0.1–<0.25%
	 Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; Skin Sens. 1, H317	

#### Regulation (EC) No 648/2004 on detergents / Labelling for contents

perfumes (citronellol, coumarine, trans-alpha-Damascone)

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

Immediately remove any clothing soiled by the product.

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Take affected persons out into the fresh air.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After swallowing:**

If symptoms persist consult doctor.

A person vomiting while laying on their back should be turned onto their side.

Seek immediate medical advice.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective clothing.

### 6.2 Environmental precautions:

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

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

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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**Information about fire - and explosion protection:** No special measures required.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage:

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Store receptacle in a well ventilated area.

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

#### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

##### Respiratory protection:

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

##### Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

##### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### Penetration time of glove material

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

**Eye/face protection** Goggles recommended during refilling

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Physical state**

Fluid

**Colour:**

Colourless to pale yellow

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<b>Odour:</b>	Fruity
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	290 °C (CAS: 54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super))
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	70–100 °C
<b>Auto-ignition temperature:</b>	259 °C (CAS: 24851-98-7 Methyl dihydrojasmonate (hedione))
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Mixture is non-soluble (in water).
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Insoluble (10%)
<b>alcohols:</b>	Partly miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.92–0.96 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>9.2 Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Oily
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	2.0 %
<b>VOC (EC)</b>	2.00 %
<b>VOCV (CH)</b>	2.00 %
<b>Solids content:</b>	1.1 %
<b>Refractive index</b>	1.431-1.471
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void

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<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

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

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

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

Oral LD50 4400 mg/kg

**CAS: 106-22-9 dl-Citronellol**

Oral LD50 3450 mg/kg

Dermal LD50 2650 mg/kg

**CAS: 13828-37-0 cis-4-(isopropyl)cyclohexanemethanol (mayol)**

Oral LD50 >10000 mg/kg

Dermal LD50 >2000 mg/kg

**CAS: 91-64-5 Coumarin**

Oral LD50 293 mg/kg

**CAS: 67633-96-9 cis-3-Hexenyl methyl carbonate (Liffarom)**

Oral LD50 >5000 mg/kg

**CAS: 23696-85-7 1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one**

Oral LD50 >2000 mg/kg

Dermal LD50 2900 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

CAS: 54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super): List II

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CAS: 1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran: List II

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

### 12.7 Other adverse effects

**Remark:** Toxic for fish

### Additional ecological information:

#### General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA

UN3082

### 14.2 UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((R)-p-mentha-1,8-diene, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super))

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((R)-p-mentha-1,8-diene, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super)), MARINE POLLUTANT

IATA

Environmentally hazardous substance, liquid, n.o.s. ((R)-p-mentha-1,8-diene, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super))



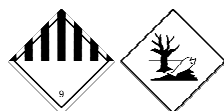
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## 14.3 Transport hazard class(es)

### ADR, IMDG, IATA



<b>Class</b>	9 Miscellaneous dangerous substances and articles.
<b>Label</b>	9
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	Symbol (fish and tree)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Hazard identification number (Kemler code):</b>	90
<b>EMS Number:</b>	F-A,S-F
<b>Stowage Category</b>	A
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<hr/>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	(-)
<hr/>	
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((R)-P-MENTHA-1,8-DIENE, 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE (ISO-E SUPER)), 9, III

## SECTION 15: Regulatory information

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

#### Poisons Act

#### Regulated explosives precursors

None of the ingredients is listed.

#### Regulated poisons

None of the ingredients is listed.

#### Reportable explosives precursors

None of the ingredients is listed.

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## Reportable poisons

None of the ingredients is listed.

## Existing Chemical Substances

CAS: 6938-94-9 DI ISO PROPYL ADIPATE: 2-861, 2-879

CAS: 105-95-3 Ethylene brassylate: 5-1104, 5-3880

CAS: 54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone (Iso-E super)

CAS: 24851-98-7 Methyl dihydrojasmonate (hedione): 3-3309

CAS: 1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8-hexamethylindeno[5,6-c]pyran: 5-683

CAS: 10339-55-6 3,7-dimethylnona-1,6-dien-3-ol: 2-258

CAS: 5989-27-5 (R)-p-mentha-1,8-diene: 3-2245, 7-988, 8-498

CAS: 5462-06-6 3-(p-methoxyphenyl)-2-methylpropionaldehyde (Canthoxal)

CAS: 67674-46-8 6,6-Dimethoxy-2,5,5-trimethylhex-2-ene (methyl pamplemousse): 2-516

CAS: 103-95-7 2-Methyl-3-(p-isopropylphenyl)propionaldehyde (cyclamen aldehyde): 3-2911

CAS: 106-22-9 dl-Citronellol: 2-258

CAS: 121-33-5 vanillin: 3-1200

CAS: 110-27-0 isopropyl myristate: 2-798

CAS: 91-64-5 Coumarin: 5-688

CAS: 55066-48-3 3-Methyl-5-phenylpentanol (phenoxanol): 3-1044

CAS: 103-60-6 2-phenoxyethyl isobutyrate: 3-564

CAS: 23696-85-7 1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one

CAS: 121-32-4 Ethyl vanillin: 3-1201

CAS: 2082-79-3 n-octadecyl 3-(4'-hydroxy-3',5'-di-t-butylphenyl) propionate: 3-1737

CAS: 24720-09-0 trans-alpha-Damascone

CAS: 706-14-9 gamma-Decalactone: 5-1173, 9-137

## Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category** E2 Hazardous to the Aquatic Environment

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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.

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H412 Harmful to aquatic life with long lasting effects.

**Department issuing SDS:** Technical Department

**Contact:**

Technical Department

msds@escentscia.uk

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3