

# 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:** 4DELICIOUS - PRIME 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

**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

In Scotland: NHS 24 - dial 111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



health hazard

Repr. 2

H361 Suspected of damaging fertility or the unborn child.

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environment

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



Eye Irrit. 2

H319 Causes serious eye 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



GHS08



GHS09

**Signal word** Warning

### Hazard-determining components of labelling:

alpha-Hexylcinnamaldehyde

alpha-methyl-1,3-benzodioxole-5-propionaldehyde

Linalool

hexyl salicylate

isoeugenol

4-tert-butylcyclohexyl acetate

geraniol

dL-Citronellol

3,7-Dimethyl-1,6-nonadien-3-ol

Nerol

Hydroxycitronellal

2-Methyl-3-(p-isopropylphenyl)propionaldehyde

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone

2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde

2,6-Dimethyl-5-heptenal

1,2,3,4,5,6,7,8-Octahydro-8,8-dimethyl-2-naphthaldehyde beta-Pinene

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## Hazard statements

H319 Causes serious eye irritation.  
 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.

## 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/protective clothing/eye protection/face protection/hearing protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P405 Store locked up.  
 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.

## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

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

#### Dangerous components:

CAS: 84-66-2	diethyl phthalate	>25–≤50%
EINECS: 201-550-6	substance with a Community workplace exposure limit	
CAS: 101-86-0	alpha-Hexylcinnamaldehyde	>2.5–≤10%
EINECS: 202-983-3	⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	
CAS: 1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	>2.5–≤10%
EINECS: 214-946-9	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 63500-71-0	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	>2.5–<10%
ELINCS: 405-040-6	⚠ Eye Irrit. 2, H319	
CAS: 1205-17-0	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	≥3–≤10%
EINECS: 214-881-6	⚠ Repr. 2, H361; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	
CAS: 78-70-6	Linalool	>2.5–≤10%
EINECS: 201-134-4	⚠ Skin Sens. 1B, H317	
CAS: 81782-77-6	4-Methyl-3-decen-5-ol	>2.5–≤10%
EINECS: 279-815-0	⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411	

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CAS: 1335-46-2	Methyl ionone (mixture of isomers)	≥0.25–<2.5%
EINECS: 215-635-0	⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 6259-76-3	hexyl salicylate	≥1–<2.5%
EINECS: 228-408-6	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	
CAS: 1506-02-1	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)	≥0.25–<2.5%
EINECS: 216-133-4	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	
CAS: 32210-23-4	4-tert-butylcyclohexyl acetate	≥1–≤2.5%
EINECS: 250-954-9	⚠ Skin Sens. 1, H317	
CAS: 106-24-1	geraniol	≥1–≤2.5%
EINECS: 203-377-1	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 106-22-9	dl-Citronellol	≥1–≤2.5%
EINECS: 203-375-0	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 18479-58-8	Dihydromyrcenol	≤2.5%
EINECS: 242-362-4	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 60-12-8	Phenethyl alcohol	≤2.5%
EINECS: 200-456-2	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 10339-55-6	3,7-Dimethyl-1,6-nonadien-3-ol	≥1–≤2.5%
EINECS: 233-732-6	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 106-25-2	Nerol	≥0.1–<1%
EINECS: 203-378-7	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 107-75-5	Hydroxycitronellal	≥0.1–<1%
EINECS: 203-518-7	⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 81-14-1	musk ketone	≥0.25–<2.5%
EINECS: 201-328-9	⚠ Carc. 2, H351; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 28219-61-6	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	≥0.25–<2.5%
EINECS: 248-908-8	⚠ Aquatic Chronic 1, H410; ⚠ Eye Irrit. 2, H319	
CAS: 103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	≥0.1–<1%
EINECS: 203-161-7	⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 67634-00-8	allyl (3-methylbutoxy)acetate	≥0.25–<2.5%
EINECS: 266-803-5	⚠ Acute Tox. 2, H330; ⚠ STOT RE 2, H373; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	
CAS: 54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	≥0.1–<0.25%
EINECS: 259-174-3	⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 68039-49-6	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	≥0.1–<0.25%
EINECS: 268-264-1	⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 106-72-9	2,6-Dimethyl-5-heptenal	≥0.1–<1%
EINECS: 203-427-2	⚠ Flam. Liq. 3, H226; ⚠ Skin Sens. 1B, H317	
CAS: 68991-97-9	1,2,3,4,5,6,7,8-Octahydro-8,8-dimethyl-2-naphthaldehyde	≥0.1–<0.25%
EINECS: 273-661-8	⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	
CAS: 127-91-3	beta-Pinene	≥0.1–<0.25%
EINECS: 204-872-5	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	

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CAS: 142-19-8	allyl heptanoate	<0.25%
EINECS: 205-527-1	☠ Acute Tox. 3, H301; Acute Tox. 3, H311; ☠ Aquatic Acute 1, H400; Aquatic Chronic 3, H412	
CAS: 97-54-1	isoeugenol	≥0.1—<1%
EINECS: 202-590-7	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317; STOT SE 3, H335 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.01 %	
CAS: 68901-15-5	allyl (cyclohexyloxy)acetate	≥0.025—<0.25%
EINECS: 272-657-3	☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	

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

perfumes (alpha-Hexylcinnamaldehyde, linalool, GERANIOL, CITRONELLOL, hydroxycitronellal, ISOEUGENOL, AMYL CINNAMAL, BENZYL BENZOATE)

**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.

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 eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse opened eye for several minutes under running water.

#### 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.

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## 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.  
Dilute with plenty of water.  
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 item 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.  
Open and handle receptacle with care.  
Prevent formation of aerosols.  
**Information about fire - and explosion protection:** Keep respiratory protective device available.

### 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:

Keep container tightly sealed.  
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

**Additional information about design of technical facilities:** No further data; see item 7.

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

### CAS: 84-66-2 diethyl phthalate

WEL Short-term value: 10 mg/m<sup>3</sup>

Long-term value: 5 mg/m<sup>3</sup>

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

## 8.2 Exposure controls

### 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.

Store protective clothing separately.

Avoid contact with the eyes.

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.

#### Protection of hands:



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 protection:



Tightly sealed goggles

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

**Form:**

Oily

**Colour:**

colourless to pale yellow

**Odour:**

Characteristic

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<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Mixture is non-soluble (in water).
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	296.1 °C (CAS: 84-66-2 diethyl phthalate)
<b>Flash point:</b>	> 70 °C
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	0 hPa
<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Insoluble.
<b>alcohols:</b>	Partly miscible.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0.1 %
<b>VOC (EC)</b>	0.14 %
<b>Solids content:</b>	0.1 %
<b>9.2 Other information</b>	No further relevant information available.

### 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.



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**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 toxicological effects

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

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

##### ATE (Acute Toxicity Estimates)

Oral LD50 27,037 mg/kg

##### CAS: 84-66-2 diethyl phthalate

Oral LD50 8,600 mg/kg

##### CAS: 78-70-6 Linalool

Oral LD50 2,790 mg/kg

Dermal LD50 5,610 mg/kg

##### CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

Oral LD50 5,000 mg/kg

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

Oral LD50 3,450 mg/kg

Dermal LD50 2,650 mg/kg

##### CAS: 60-12-8 Phenethyl alcohol

Oral LD50 1,790 mg/kg

Dermal LD50 790 mg/kg

##### CAS: 68991-97-9 1,2,3,4,5,6,7,8-Octahydro-8,8-dimethyl-2-naphthaldehyde

Oral LD50 4,100 mg/kg

Dermal LD50 >5,000 mg/kg

##### CAS: 97-54-1 isoeugenol

Oral LD50 1,560 mg/kg

#### Primary irritant effect:

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Additional toxicological information:

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

#### Reproductive toxicity

Suspected of damaging fertility or the unborn child.

**STOT-single exposure** Based on available data, the classification criteria are not met.

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**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## 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.

**Ecotoxicological 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

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## 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.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

### 14.1 UN-Number

ADR, IMDG, IATA

UN3082

### 14.2 UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(alpha-Hexylcinnamaldehyde, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(alpha-Hexylcinnamaldehyde, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran), MARINE POLLUTANT

IATA

Environmentally hazardous substance, liquid, n.o.s. (alpha-Hexylcinnamaldehyde, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)

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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 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.

**Transport/Additional information:****ADR**

<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

**Transport category**

<b>Tunnel restriction code</b>	3 (-)
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**IMDG**

<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

**UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-HEXYLCINNAMALDEHYDE, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN), 9, III

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

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**Hazard pictograms****Signal word** Warning**Hazard-determining components of labelling:**

alpha-Hexylcinnamaldehyde  
 alpha-methyl-1,3-benzodioxole-5-propionaldehyde  
 Linalool  
 hexyl salicylate  
 isoeugenol  
 4-tert-butylcyclohexyl acetate  
 geraniol  
 dl-Citronellol  
 3,7-Dimethyl-1,6-nonadien-3-ol  
 Nerol  
 Hydroxycitronellal  
 2-Methyl-3-(p-isopropylphenyl)propionaldehyde  
 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone  
 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde  
 2,6-Dimethyl-5-heptenal  
 1,2,3,4,5,6,7,8-Octahydro-8,8-dimethyl-2-naphthaldehyde  
 beta-Pinene

**Hazard statements**

H319 Causes serious eye irritation.  
 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.

**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/protective clothing/eye protection/face protection/hearing protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Directive 2012/18/EU**

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

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

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**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.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
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.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
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.

**Department issuing SDS:** Technical Department

### Contact:

Technical Department  
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### 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)  
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. 3: Acute toxicity – Category 3

# Safety data sheet

according to 1907/2006/EC, Article 31

Version number 1



Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 2: Acute toxicity – Category 2  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Carc. 2: Carcinogenicity – Category 2  
Repr. 2: Reproductive toxicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
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