



# Trust Hygiene Services Ltd

## Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

#### 1.1. Product identifier

Product name                      Fabric Conditioner Floral  
 Product number                    05300 + 05303

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

Identified uses                      Last rinse additive; finishing agent

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

Trust Hygiene Services Ltd  
 Principle House  
 Leamore Lane  
 Bloxwich  
 Walsall  
 WS2 7PS  
 Email: sales@trusthygiene.co.uk  
 Telephone: 0370 3500 988 (09:00 to 17:00 Mon-Fri)

#### 1.4. Emergency telephone number

0370 3500 988 (09:00 to 17:00 Mon-Fri) / NHS 111

### SECTION 2: Hazards identification

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

Classification (SI 2019 No. 720)

Physical hazards                    Not Classified  
 Health hazards                      Not Classified  
 Environmental hazards            Not Classified

#### 2.2. Label elements

Hazard statements                    NC Not Classified  
 Precautionary statements        P262 Do not get in eyes, on skin, or on clothing.  
 Detergent labelling                < 5% aliphatic hydrocarbons, < 5% cationic surfactants, < 5% perfumes, Contains HEXYL CINNAMAL

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<p><b>a-hexylcinnamaldehyde</b> <span style="float: right;">0.04%</span></p> <p>CAS number: 101-86-0                      EC number: 202-983-3</p> <p>M factor (Acute) = 1</p>
<p><b>Classification</b></p> <p>Skin Sens. 1B - H317  Aquatic Acute 1 - H400  Aquatic Chronic 2 - H411</p>
<p><b>HYDROXYCITRONELLAL</b> <span style="float: right;">0.01%</span></p> <p>CAS number: 107-75-5                      EC number: 203-518-7</p>
<p><b>Classification</b></p> <p>Eye Irrit. 2 - H319  Skin Sens. 1B - H317</p>
<p><b>Linalool</b> <span style="float: right;">0.009%</span></p> <p>CAS number: 78-70-6                      EC number: 201-134-4</p>
<p><b>Classification</b></p> <p>Skin Sens. 1B - H317</p>
<p><b>BENZYL SALICYLATE</b> <span style="float: right;">0.0075%</span></p> <p>CAS number: 118-58-1                      EC number: 204-262-9</p>
<p><b>Classification</b></p> <p>Eye Irrit. 2 - H319  Skin Sens. 1B - H317  Aquatic Chronic 3 - H412</p>
<p><b>GERANIOL</b> <span style="float: right;">0.0048%</span></p> <p>CAS number: 106-24-1                      EC number: 203-377-1</p>
<p><b>Classification</b></p> <p>Skin Irrit. 2 - H315  Eye Dam. 1 - H318  Skin Sens. 1 - H317</p>
<p><b>d-LIMONENE</b> <span style="float: right;">0.0039%</span></p> <p>CAS number: 5989-27-5                      EC number: 227-813-5</p> <p>M factor (Acute) = 1                      M factor (Chronic) = 1</p>
<p><b>Classification</b></p> <p>Flam. Liq. 3 - H226  Skin Irrit. 2 - H315  Skin Sens. 1 - H317  Aquatic Acute 1 - H400  Aquatic Chronic 1 - H410</p>

<b>CITRONELLOL</b>	0.0023%
CAS number: 106-22-9	EC number: 203-375-0
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317	
<b>EUGENOL</b>	0.0015%
CAS number: 97-53-0	EC number: 202-589-1
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1B - H317	
<b>COUMARIN</b>	0.00075%
CAS number: 91-64-5	EC number: 202-086-7
<b>Classification</b> Acute Tox. 4 - H302 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	

The full text for all hazard statements is displayed in Section 16.

**Composition comments** No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Non-volatile liquid product.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

<b>Inhalation</b>	This is unlikely to occur but symptoms similar to those of ingestion may develop.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

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

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Does not decompose when used and stored as recommended.
<b>5.3. Advice for firefighters</b>	
Protective actions during firefighting	If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

Personal precautions                      Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Environmental precautions                Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

Methods for cleaning up                    Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.

### 6.4. Reference to other sections

Reference to other sections                Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions                          Avoid spilling. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Avoid contact with skin and eyes.

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

Storage precautions                        Keep above the chemical's freezing point to avoid rupturing the container. Store in tightly-closed, original container.

Storage class                                Chemical storage.

### 7.3. Specific end use(s)

Specific end use(s)                         The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

Occupational exposure limits  
propan-2-ol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized  
(CAS: 91995-81-2)

DNEL    Workers - Dermal; Long term systemic effects: 312.5 mg/kg/day  
Workers - Inhalation; Long term systemic effects: 44 mg/m<sup>3</sup>  
General population - Oral; Long term systemic effects: 7.5 mg/kg/day  
General population - Inhalation; Long term systemic effects: 13 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 187.5 mg/kg/day

PNEC

- Fresh water; 0.065 mg/l
- marine water; 0.0065 mg/l
- Sediment; 141 mg/kg
- Soil; 574 mg/kg
- STP; 2.96

propan-2-ol (CAS: 67-63-0)

DNEL

- Workers - Dermal; Long term systemic effects: 888 mg/kg bw/day
- Workers - Inhalation; Long term systemic effects: 500 mg/m<sup>3</sup>
- Consumer - Dermal; Long term systemic effects: 319 mg/kg bw/day
- Consumer - Inhalation; Long term systemic effects: 89 mg/m<sup>3</sup>
- Consumer - Oral; Long term systemic effects: 26 mg/kg bw/day

PNEC

- Fresh water; 140.9 mg/l
- marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- STP; 2251 mg/l
- Sediment; 552 mg/kg
- Soil; 28 mg/kg

a-hexylcinnamaldehyde (CAS: 101-86-0)

DNEL

- Workers - Inhalation; Long term systemic effects: 0.078 mg/m<sup>3</sup>
- Workers - Inhalation; Short term local effects: 6.28 mg/m<sup>3</sup>
- Workers - Dermal; Long term systemic effects: 18.2 mg/kg bw/day
- Workers - Dermal; Long term local effects: 0.525 mg/cm<sup>2</sup>
- Consumer - Inhalation; Long term systemic effects: 0.019 mg/m<sup>3</sup>
- Consumer - Inhalation; Short term local effects: 4.71 mg/m<sup>3</sup>
- Consumer - Dermal; Long term systemic effects: 9.11 mg/kg bw/day
- Consumer - Dermal; Long term local effects: 0.0787 mg/cm<sup>2</sup>
- Consumer - Dermal; Short term local effects: 0.0787 mg/cm<sup>2</sup>
- Consumer - Oral; Long term systemic effects: 0.056 mg/kg bw/day

PNEC

- Fresh water; 0.00126 mg/l
- marine water; 0.000126 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 3.2 mg/kg dwt
- Sediment (Marinewater); 0.064 mg/kg dwt
- Soil; 9.51 mg/kg dwt

Gamma-Undecalactone (CAS: 104-67-6)

DNEL

- Workers - Inhalation; systemic effects: 19 mg/m<sup>3</sup>
- Workers - Dermal; Long term systemic effects: 5.38 mg/kg bw/day
- Consumer - Inhalation; systemic effects: 4.68 mg/m<sup>3</sup>
- Consumer - Dermal; Long term systemic effects: 2.7 mg/kg bw/day
- Consumer - Oral; Long term systemic effects: 2.7 mg/kg bw/day

PNEC

- Fresh water; 17.52 µg/l
- marine water; 1.75 µg/l
- STP; 80 mg/l
- Sediment (Freshwater); 1.882 mg/kg
- Sediment (Marinewater); 0.188 mg/kg
- Soil; 0.366 mg/kg

GERANIOL (CAS: 106-24-1)

## DNEL

Workers - Inhalation; Long term systemic effects: 161.6 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 12.5 mg/kg  
 Consumer - Oral; Long term systemic effects: 13.75 mg/kg  
 Consumer - Inhalation; Long term systemic effects: 47.8 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 7.5 mg/kg

## 8.2. Exposure controls

## Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	No hand protection required when using product. Hand protection is advisable for bulk handling or manufacture of this product.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Opaque liquid.
Colour	Pink.
Odour	Perfume.
pH	pH (diluted solution): 6-8 1%
Relative density	0.96-1.02 @ 20°C
Solubility(ies)	Soluble in water.

## 9.2. Other information

Other information	Not known.
-------------------	------------

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
------------	---

## 10.2. Chemical stability

Stability	No particular stability concerns.
-----------	-----------------------------------

## 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
------------------------------------	---

## 10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Oxidising agents. Reducing agents.
---------------------	--

## 10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong reducing agents.
--------------------	--

## 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Nitrogen.
----------------------------------	--

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	Slightly irritating.
Eye contact	May cause severe eye irritation.
Acute and chronic health hazards	This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

### Toxicological information on ingredients.

Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

#### propan-2-ol

#### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 26.0

#### Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### 4-tertiary-butyl-cyclohexyl-acetate

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

#### a-hexylcinnamaldehyde

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 3,100.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 3,001.0

Species Rabbit

ATE dermal (mg/kg) 3,001.0

hexyl-2-hydroxybenzoate

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 5,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,001.0

Species Rabbit

Benzyl acetate

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,490.0

Species Rat

ATE oral (mg/kg) 2,490.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

AMYL SALICYLATE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,000.0

Species Rabbit

2-Methylbutyl salicylate

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Linalool

Acute toxicity - oral



Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,790.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 2,000.0

Species Rabbit

BENZYL SALICYLATE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,227.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 14,150.0

Species Rabbit

Gamma-Undecalactone

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 2,001.0

Species Rabbit

ATE dermal (mg/kg) 2,001.0

GERANIOL

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 3,600.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,001.0

Species Rabbit

7-acetyl-1,1,3,4,5-hexamethyl-1,2,3,4-tetrahydronaphthalene

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 1,000.0

ATE oral (mg/kg) 500.0

**d-LIMONENE**

## Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 4,400.0

Species Rat

## Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,001.0

Species Rabbit

## Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Nerol**

## Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 4,500.0

Species Rat

## Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,001.0

Species Rabbit

**CITRONELLOL**

## Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 3,450.0

Species Rat

## Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 2,650.0

Species Rabbit

**2-methyl-3-(4-isopropylphenyl) propanal**

## Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 3,810.0

Species Rat

## Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 5,001.0

Species Rat

**EUGENOL**

## Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> mg/kg)	2,130.0
Species	Guinea pig
ATE oral (mg/kg)	2,130.0
<b>Carcinogenicity</b>	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### COUMARIN

<b>Acute toxicity - oral</b>	
Acute toxicity oral (LD <sub>50</sub> mg/kg)	520.0
Species	Rat
ATE oral (mg/kg)	520.0
<b>Carcinogenicity</b>	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### DAMASCONE (DELTA)

<b>Acute toxicity - oral</b>	
Acute toxicity oral (LD <sub>50</sub> mg/kg)	1,400.0
Species	Mouse
ATE oral (mg/kg)	500.0
<b>Acute toxicity - dermal</b>	
Acute toxicity dermal (LD <sub>50</sub> mg/kg)	5,001.0
Species	Rabbit
<b>Specific target organ toxicity - repeated exposure</b>	
STOT - repeated exposure	NOAEL 30 mg/kg, Oral, Rat

## SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### Ecological information on ingredients.

Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

<b>Acute aquatic toxicity</b>	
Acute toxicity - fish	LC <sub>50</sub> , 96 hours: >1 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 10000 mg/l, Daphnia magna

#### propan-2-ol

<b>Acute aquatic toxicity</b>	
Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates LC<sub>50</sub>, 24 hours: 9714 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: >100 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC<sub>50</sub>, : >100 mg/l, Bacteria

#### a-hexylcinnamaldehyde

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 1.7 mg/l, Fish  
LC<sub>50</sub>, 96 hours: 3.1 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 3.86 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: 6.87 mg/l, Pseudokirchneriella subcapitata

#### hexyl-2-hydroxybenzoate

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 0.357 mg/l, Daphnia magna  
EC<sub>50</sub>, 96 hours: 0.39 mg/l, Daphnia magna, Freshwater invertebrates, Marinewater invertebrates

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: 0.61 mg/l, Pseudokirchneriella subcapitata

##### Chronic aquatic toxicity

M factor (Chronic) 1

#### AMYL SALICYLATE

##### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 1.34 mg/l, Fish

#### HYDROXYCITRONELLAL

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

#### Gamma-Undecalactone

##### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 6.13 mg/l, Fish

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 5.85 mg/l, Daphnia

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: 5.94 mg/l, Algae

##### Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates EC<sub>10</sub>, 21 days: 1.02 mg/l, Daphnia

## GERANIOL

## Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 14 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 10.8 mg/l, Daphnia
Acute toxicity - aquatic plants	EC <sub>50</sub> , 72 hours: 13.1 mg/l, Algae

## 7-acetyl-1,1,3,4,5-hexamethyl-1,2,3,4-tetrahydronaphthalene

## Acute aquatic toxicity

LE(C) <sub>50</sub>	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Chronic aquatic toxicity	
M factor (Chronic)	1

## d-LIMONENE

## Acute aquatic toxicity

LE(C) <sub>50</sub>	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 0.7 mg/l, Pimephales promelas (Fat-head Minnow) LC <sub>50</sub> , 96 hours: 0.8 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 0.4 mg/l, Daphnia magna EC <sub>50</sub> , 48 hours: 69.6 mg/l, Daphnia
Acute toxicity - aquatic plants	NOEC, 96 hours: 4 mg/l, ErC50, 72 hours: 8 mg/l, Desmodesmus subspicatus NOEC, 72 hours: 2.62 mg/l, Desmodesmus subspicatus
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 16 days: estimated 0.115 mg/l, Daphnia magna

## Cedr-8-enyl Methyl Ketone (Acetyl Cedrene)

## Acute aquatic toxicity

LE(C) <sub>50</sub>	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Chronic aquatic toxicity	
M factor (Chronic)	1

## 2-methyl-3-(4-isopropylphenyl) propanal

## Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: estimated >1 - 3 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 4.19 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 96 hours: 3.8 mg/l, Pseudokirchneriella subcapitata

## (Z)-3-HEXENYL SALICYLATE

## Chronic aquatic toxicity

M factor (Chronic) 1

## EUGENOL

## Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

## DAMASCONE (DELTA)

## Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 0.97 mg/l, *Oryzias latipes* (Red killifish)Acute toxicity - aquatic plants ErC50, 72 hours: 4.54 mg/l, *Pseudokirchneriella subcapitata*  
NOEC, 72 hours: 0.883 mg/l, *Pseudokirchneriella subcapitata*

## Chronic aquatic toxicity

M factor (Chronic) 1

## 12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

## Ecological information on ingredients.

## 4-tertiary-butyl-cyclohexyl-acetate

Persistence and degradability Readily biodegradable.

Biodegradation - Degradation 75%:

## a-hexylcinnamaldehyde

Persistence and degradability Readily biodegradable.

Biodegradation - 97%: 28 days

## hexyl-2-hydroxybenzoate

Persistence and degradability Readily biodegradable.

Biodegradation OECD 301F - 43%: 28 days  
Directive 67/548/EEC Annex V, C.4.D - Degradation 20%:

## AMYL SALICYLATE

Persistence and degradability Readily biodegradable.

Biodegradation - Degradation 86 %:

## Gamma-Undecalactone

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 28 days

## GERANIOL

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 28 days

d-LIMONENE

Persistence and degradability Not readily biodegradable.

Nerol

Persistence and degradability Readily biodegradable.

2-methyl-3-(4-isopropylphenyl) propanal

Persistence and degradability Readily biodegradable.

Biodegradation - 65.5%: 28 days

COUMARIN

Persistence and degradability Readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

### Ecological information on ingredients.

a-hexylcinnamaldehyde

Partition coefficient log Pow: 5.3

hexyl-2-hydroxybenzoate

Partition coefficient log Pow: 5.5 (30C)

Gamma-Undecalactone

Partition coefficient log Pow: 3.6

GERANIOL

Partition coefficient log Pow: 2.6

d-LIMONENE

Partition coefficient log Kow: 2.78-5.03

2-methyl-3-(4-isopropylphenyl) propanal

Partition coefficient log Pow: 3.4

DAMASCONE (DELTA)

Partition coefficient log Pow: 4.2

### 12.4. Mobility in soil

Mobility The product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

Other adverse effects                      None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal methods                      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

EURAL Code

## SECTION 14: Transport information

General                                      The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code                      Not applicable.

## SECTION 15: Regulatory information

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

Danish product registration number

Danish national regulations

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Revision comments	Revision to include full Fragrance Allergen composition
Revision date	21/01/2020
Revision	5
Supersedes date	12/02/2019
SDS number	7580/11678



Hazard statements in full

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.