



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 Infusion Superior Fabric Conditioner 5L (Blue)

Product number 05320

UFI: PPVP-A0WM-2003-492Q

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 Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P262 Do not get in eyes, on skin, or on clothing.

Detergent labelling < 5% aliphatic hydrocarbons, < 5% cationic surfactants, < 5% perfumes, Contains LIMONENE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

propan-2-ol		<1%
CAS number: 67-63-0	EC number: 200-661-7	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
hexahydro-hexamethyl-cyclopenta-benzopyran		<1%
CAS number: 1222-05-5	EC number: 214-946-9	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Diethyl phthalate		<1%
CAS number: 84-66-2	EC number: 201-550-6	
Classification Not Classified		
d-LIMONENE		0.026%
CAS number: 5989-27-5	EC number: 227-813-5	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Alpha-IsoMethyl Ionone		0.0038%
CAS number: 127-51-5	EC number: 204-846-3	
Classification Aquatic Chronic 2 - H411		
Linalool		0.0037%
CAS number: 78-70-6	EC number: 201-134-4	
Classification Skin Sens. 1B - H317		

Beta Pinene	<1%
CAS number: 127-91-3	EC number: 204-872-5
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304	
CITRAL	0.0019%
CAS number: 5392-40-5	EC number: 226-394-6
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317	
COUMARIN	0.0018%
CAS number: 91-64-5	EC number: 202-086-7
Classification Acute Tox. 4 - H302 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	
METHANOL	<1%
CAS number: 67-56-1	EC number: 200-659-6
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	
EUGENOL	0.0015%
CAS number: 97-53-0	EC number: 202-589-1
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317	

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

General information Get medical attention if symptoms are severe or persist. Remove affected person from source of contamination.

Inhalation Unlikely route of exposure as the product does not contain volatile substances. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion	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.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention promptly if symptoms occur after washing.
Eye contact	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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Spray/mists may cause respiratory tract irritation. This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	May cause skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	May cause eye irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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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. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Dangerous for the environment if discharged into watercourses. 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. Firefighter's clothing will provide a basic level of protection for chemical incidents.

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.
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6.2. Environmental precautions

Environmental precautions	Harmful to aquatic life with long lasting effects. Dangerous for the environment if discharged into watercourses. Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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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. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.
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6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed, in a cool, well ventilated place.

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/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

Diethyl phthalate

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL 10 mg/m³

Beta Pinene

Long-term exposure limit (8-hour TWA): WEL 140 mg/m³ 25 ppm

Short-term exposure limit: WEL 300 mg/m³ 50 ppm

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

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/m³

General population - Oral; Long term systemic effects: 7.5 mg/kg/day

General population - Inhalation; Long term systemic effects: 13 mg/m³

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/m³
 Consumer - Dermal; Long term systemic effects: 319 mg/kg bw/day
 Consumer - Inhalation; Long term systemic effects: 89 mg/m³
 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

Tetrahydro Linalool (CAS: 78-69-3)

DNEL

Workers - Inhalation; Long term systemic effects: 2.75 mg/m³
 Workers - Dermal; Long term systemic effects: 2.5 mg/kg bw/day
 Workers - Dermal; Short term local effects: 2.76 mg/cm²
 Consumer - Inhalation; Long term systemic effects: 0.68 mg/m³
 Consumer - Oral; Long term systemic effects: 0.2 mg/kg bw/day
 Consumer - Dermal; Long term systemic effects: 1.25 mg/kg bw/day
 Consumer - Dermal; Short term local effects: 2.76 mg/cm²

PNEC

Fresh water; 0.0089 mg/l
 marine water; 0.00089 mg/l
 STP; 450 mg/l
 Sediment (Freshwater); 0.0821 mg/kg
 Sediment (Marinewater); 0.00821 mg/kg
 Soil; 0.0112 mg/kg

TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, Mixed isomers (cis & trans) (CAS: 63500-71-0)

DNEL

Workers - Inhalation; Long term systemic effects: 44.1 mg/m³
 Workers - Dermal; Long term systemic effects: 41.7 mg/kg bw/day
 General population - Inhalation; Long term systemic effects: 13 mg/m³
 General population - Dermal; Long term systemic effects: 25 mg/kg bw/day
 General population - Oral; Long term systemic effects: 7.5 mg/kg bw/day

METHANOL (CAS: 67-56-1)

DNEL

Industry - Dermal; Short term systemic effects: 40 mg/kg/day
 Industry - Inhalation; Short term systemic effects: 260 mg/m³
 Industry - Dermal; Long term systemic effects: 40 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 260 mg/m³
 Consumer - Dermal; Short term systemic effects: 8 mg/kg/day
 Consumer - Inhalation; Short term systemic effects: 50 mg/m³
 Consumer - Oral; Short term systemic effects: 8 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 8 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 50 mg/m³

PNEC

Industry - Fresh water; Long term 20.8 mg/l
 Industry - marine water; Long term 2.08 mg/l
 Industry - Intermittent release; Long term 1540 mg/l
 Industry - STP; Long term 100 mg/l
 Industry - Sediment (Freshwater); Long term 77 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation if the airborne contamination exceeds occupational exposure limits
Eye/face protection	Safety glasses with side-shields (EN 166).
Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Wear suitable protective clothing (EN14605)
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	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	Blue.
Odour	Perfume.
pH	pH (diluted solution): 6-8 1%
Flash point	Not applicable.
Relative density	~ 0.99 @ 20°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not known.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Oxidising agents. Reducing agents.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
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10.4. Conditions to avoid

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

Materials to avoid	Oxidising agents. Reducing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Not regarded as a health hazard under current legislation.
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Acute toxicity - oral

Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Spray/mists may cause respiratory tract irritation. This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	May cause skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	May cause 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.
Route of exposure	Skin and/or eye contact Inhalation Ingestion

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 (LD₅₀ mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

propan-2-ol**Acute toxicity - inhalation**

Acute toxicity inhalation (LC₅₀ vapours mg/l) 26.0

ATE inhalation (vapours mg/l) 26.0

Carcinogenicity

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

hexahydro-hexamethyl-cyclopenta-benzopyran**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 4,640.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 6,500.0

Species Rabbit

Diethyl phthalate**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 5,592.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 11,182.0

Species Rabbit

2,6-Dimethyl-7-Octenol-2-ol**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 3,600.0

Species Rat

ATE oral (mg/kg) 3,600.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

d-LIMONENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,400.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

Carcinogenicity

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

2-Tertiary-Butylcyclohexylacetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,600.0

Species Rat

ATE oral (mg/kg) 4,600.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 468.5 mg/kg, Oral, Rat

Tetrahydro Linalool

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, Mixed isomers (cis & trans)

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,001.0

Species Rabbit

4-tertiary-butyl-cyclohexyl-acetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

hexyl-2-hydroxybenzoate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

1-Propanaminium,N,N,N-trimethyl-3-[(2- methyl-1-oxo-2-propenyl)amino]-,chloride,polymer with 2-propenoic acid,sodium salt

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

ATE oral (mg/kg) 5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rat

ATE dermal (mg/kg) 5,001.0

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,900.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,000.0

Species Rabbit

ATE dermal (mg/kg) 5,000.0

Tricyclodecanyl Propionate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

ATE oral (mg/kg) 5,001.0

Allyl-3-Cyclohexylpropionate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,051.0

Species Rat

ATE oral (mg/kg) 1,051.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 1,600.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀
vapours mg/l) 11.0

ATE inhalation (vapours mg/l) 11.0

Methyl-Beta Naphthyl Ether

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

2-(2-(4-Methyl-3-Cyclohexen-1-yl) Propyl)-Cyclopentanone

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-naphthyl)Ethan-1-one

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

Alpha-IsoMethyl Ionone

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

Linalool

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,790.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,000.0

Species Rabbit

2-propenylhexanoate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 218.0

Species Rat

ATE oral (mg/kg) 218.0

Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	300.0
Species	Rabbit
ATE dermal (mg/kg)	300.0
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	3.0

DAMASCONE (DELTA)

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	1,821.0
Species	Mouse
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0
Species	Rabbit

CITRAL

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	6,800.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	2,001.0
Species	Rabbit

COUMARIN

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

METHANOL

Acute toxicity - oral	
ATE oral (mg/kg)	100.0
Acute toxicity - dermal	
ATE dermal (mg/kg)	300.0
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	3.0

Specific target organ toxicity - single exposure

STOT - single exposure LOAEL 2000 mg/kg, Oral, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEC 0.13 mg/l/6hr/day, Inhalation, Rat

Allyl Amyl Glycolate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 302.0

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 1,105.0

ATE dermal (mg/kg) 1,100.0

EUGENOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,130.0

Species Guinea pig

ATE oral (mg/kg) 2,130.0

Carcinogenicity

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

Allyl Heptanoate

Acute toxicity - oral

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 810.0

Species Rabbit

ATE dermal (mg/kg) 810.0

P-Cresyl Methylether

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,920.0

Species Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,001.0

Species Rabbit

DAMASCONE (DELTA)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,400.0

Species Mouse

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,001.0

Species Rabbit

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 30 mg/kg, Oral, Rat

SECTION 12: Ecological information

Ecotoxicity Dangerous for the environment if discharged into watercourses. Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

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

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >1 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10000 mg/l, Daphnia magna

propan-2-ol**Acute aquatic toxicity**

Acute toxicity - fish LC₅₀, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates LC₅₀, 24 hours: 9714 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >100 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₅₀, : >100 mg/l, Bacteria

hexahydro-hexamethyl-cyclopenta-benzopyran**Acute aquatic toxicity**

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.9 mg/l, Daphnia

Acute toxicity - aquatic plants IC₅₀, 72 hours: >0.854 mg/l, Algae

Chronic aquatic toxicity

M factor (Chronic) 1

d-LIMONENE

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.7 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours: 0.8 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.4 mg/l, Daphnia magna EC ₅₀ , 48 hours: 69.6 mg/l, Daphnia
Acute toxicity - aquatic plants	NOEC, 96 hours: 4 mg/l, ErC ₅₀ , 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

TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, Mixed isomers (cis & trans)**Acute aquatic toxicity**

Acute toxicity - fish	LC ₅₀ , 96 hours: 354 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >320 mg/l, Daphnia
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: >94 mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEC, 48 hours: 320 mg/l, Daphnia
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hexyl-2-hydroxybenzoate**Acute aquatic toxicity**

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.357 mg/l, Daphnia magna EC ₅₀ , 96 hours: 0.39 mg/l, Daphnia magna, Freshwater invertebrates, Marinewater invertebrates
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.61 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

M factor (Chronic)	1
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7-Acetyl-1,1,3,4,4,6-hexamethyl tetralin**Acute aquatic toxicity**

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

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

Acute aquatic toxicity

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 76 mg/l, Daphnia

Allyl-3-Cyclohexylpropionate**Acute aquatic toxicity**

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 0.13 mg/l, Fish

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 3.8 mg/l, Daphnia

Acute toxicity - aquatic plants IC₅₀, 72 hours: 3 mg/l, Algae
NOEC, 72 hours: 0.74 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

M factor (Chronic) 1

2-(2-(4-Methyl-3-Cyclohexen-1-yl) Propyl)-Cyclopentanone**Acute aquatic toxicity**

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 5.47 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.49 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 2.9 mg/l, Selenastrum capricornutum

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-naphthyl)Ethan-1-one**Acute aquatic toxicity**

Acute toxicity - fish LC₅₀, 96 hours: 1.3 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.4 mg/l, Daphnia

Acute toxicity - aquatic plants EC₅₀, 72 hours: 2.6 mg/l, Algae

Chronic aquatic toxicity

M factor (Chronic) 1

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.028 mg/l, Daphnia

2-propenylhexanoate**Acute aquatic toxicity**

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2 mg/l, Daphnia magna

DAMASCONE (DELTA)**Acute aquatic toxicity**

LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.97 mg/l, Fish
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 2.47 mg/l, Algae
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.35 mg/l, Daphnia

METHANOL

Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hours: 15400 mg/l, <i>Lepomis macrochirus</i> (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >1000 mg/l, <i>Daphnia magna</i>
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 22000 mg/l, <i>Selenastrum capricornutum</i>

Allyl Amyl Glycolate

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

EUGENOL

Acute aquatic toxicity	
LE(C) ₅₀	0.1 < L(E)C50 ≤ 1

Allyl Heptanoate

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

DAMASCONE (DELTA)

Acute aquatic toxicity	
LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.97 mg/l, <i>Oryzias latipes</i> (Red killifish)
Acute toxicity - aquatic plants	ErC50, 72 hours: 4.54 mg/l, <i>Pseudokirchneriella subcapitata</i> NOEC, 72 hours: 0.883 mg/l, <i>Pseudokirchneriella subcapitata</i>
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.

hexahydro-hexamethyl-cyclopenta-benzopyran

Persistence and degradability Not readily biodegradable.

2,6-Dimethyl-7-Octenol-2-ol

Persistence and degradability Readily biodegradable.

Biodegradation - 73%: 28 days

d-LIMONENE

Persistence and degradability Not readily biodegradable.

2-Tertiary-Butylcyclohexylacetate

Biodegradation Activated sludge - Degradation 43 %: ~ 28 days

Tetrahydro Linalool

Persistence and degradability Readily biodegradable.

Biodegradation Directive 67/548/EEC Annex V, C.4.C - Degradation 64%:
Directive 67/548/EEC Annex V, C.4.B - Degradation 100%:
Directive 67/548/EEC Annex V, C.4.F - Degradation >60%:

TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, Mixed isomers (cis & trans)

Persistence and degradability Not readily biodegradable.

4-tertiary-butyl-cyclohexyl-acetate

Persistence and degradability Readily biodegradable.

Biodegradation - Degradation 75%:

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%:

Allyl-3-Cyclohexylpropionate

Persistence and degradability Readily biodegradable.

Biodegradation - 86%: 28 days

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-naphthyl)Ethan-1-one

Persistence and degradability Not readily biodegradable.

Biodegradation - 11%: 28 days

2-propenylhexanoate

Persistence and degradability Readily biodegradable.

DAMASCONE (DELTA)

Persistence and degradability Not readily biodegradable.

Biodegradation - 16%: 28 days

COUMARIN

Persistence and degradability Readily biodegradable.

METHANOL

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

hexahydro-hexamethyl-cyclopenta-benzopyran

Partition coefficient log Pow: 5.3

d-LIMONENE

Partition coefficient log Kow: 2.78-5.03

2-Tertiary-Butylcyclohexylacetate

Bioaccumulative potential BCF: ~ 156, Oncorhynchus mykiss (Rainbow trout)

Tetrahydro Linalool

Partition coefficient log Pow: 3.3

TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, Mixed isomers (cis & trans)

Partition coefficient log Pow: 1.65

hexyl-2-hydroxybenzoate

Partition coefficient log Pow: 5.5 (30C)

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

Partition coefficient log Pow: 2.34

Allyl-3-Cyclohexylpropionate

Partition coefficient log Pow: 4.3

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-naphthyl)Ethan-1-one

Partition coefficient log Pow: 5.65

METHANOL

Partition coefficient log Pow: -0.8

DAMASCONE (DELTA)

Partition coefficient log Pow: 4.2

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

METHANOL

Mobility Soluble in water.

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.

Ecological information on ingredients.

METHANOL

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 in accordance with Local Authority regulations as special waste according to The Control of Special Waste Regulations 1996.

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.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC50: Lethal Concentration to 50 % of a test population.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Revision comments

Revised classification.

Revision date

13/05/2021

Revision

8

Supersedes date

03/01/2020

SDS number

7905/23138

Hazard statements in full

H225 Highly flammable liquid and vapour.
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.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs .
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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.