

SAFETY DATA SHEET

ELITE LAUNDRY SANITISER

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name ELITE LAUNDRY SANITISER

Product number 8238/23090

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

Identified uses ELITE LAUNDRY SANITISER

1.3. Details of the supplier of the safety data sheet

Supplier Trust Hygiene Services Ltd
Leamore Lane
Bloxwich
Walsall
West Midlands
WS2 7PS
Tel: 0370 3500 977

1.4. Emergency telephone number

Emergency telephone Trust Hygiene Services: 0370 3500 977 (Mon-Fri 9am-5pm)

National emergency telephone number (GB) NHS Direct: 111
National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only
National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/ doctor.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

PEG-7-C10 Oxo Alcohol

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**

PEG-7-C10 Oxo Alcohol CAS number: 68439-45-2 EC number: 614-481-5	3-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	
didecyldimethylammonium chloride CAS number: 7173-51-5 EC number: 230-525-2 M factor (Acute) = 10	1-3%
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	
Alpha-IsoMethyl Ionone CAS number: 127-51-5 EC number: 204-846-3	0.014%
Classification Aquatic Chronic 2 - H411	
Butylphenyl Methylpropional CAS number: 80-54-6 EC number: 201-289-8	0.011%
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Repr. 2 - H361 Aquatic Chronic 2 - H411	

CITRONELLOL 0.01%		
CAS number: 106-22-9	EC number: 203-375-0	REACH registration number: 01-2119453995-23-0000
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317		
HEXYL CINNAMAL 0.01%		
CAS number: 101-86-0	EC number: 202-983-3	M factor (Acute) = 1
Classification Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		
Linalool 0.0098%		
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42-0000
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
Diphenyl Ether <1%		
CAS number: 101-84-8	EC number: 202-981-2	
Classification Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411		
BENZYL SALICYLATE 0.0025%		
CAS number: 118-58-1	EC number: 204-262-9	
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
EUGENOL 0.0015%		
CAS number: 97-53-0	EC number: 202-589-1	
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317		

METHYL 2-OCTYNOATE		0.0002%
CAS number: 111-12-6	EC number: 203-836-6	
M factor (Acute) = 1		
Classification		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		
Aquatic Chronic 3 - H412		
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		
Alpha Pinene		<1%
CAS number: 80-56-8	EC number: 201-291-9	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Flam. Liq. 3 - H226		
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
d-LIMONENE		0.000025%
CAS number: 5989-27-5	EC number: 227-813-5	REACH registration number: 01-2119529223-47-XXXX
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		

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

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.
Skin contact	Causes skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Severe irritation, burning and tearing.

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 conforming to European standard EN469 (including helmets, protective boots and gloves) 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	Very toxic 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. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
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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. Flush spilled material into suitable retaining areas or container with large quantities of water. Flush contaminated area with plenty of water. 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. Avoid contact with skin and eyes.

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.

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

Diphenyl Ether

Long-term exposure limit (8-hour TWA): WEL 1 ppm 7.1 mg/m³ vapour

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

Alpha Pinene

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

Short-term exposure limit (15-minute): WEL 300 mg/m³ 50 ppm

WEL = Workplace Exposure Limit.

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID (CAS: 77-92-9)

PNEC

- Fresh water; 0.44 mg/l
- marine water; 0.044
- Sediment (Freshwater); 3.46 mg/l
- Sediment (Marinewater); 34.6 mg/l
- STP; >1000 mg/l
- Soil; 33.1 mg/kg

HEXYL CINNAMAL (CAS: 101-86-0)

DNEL

- Workers - Inhalation; Long term systemic effects: 0.078 mg/m³
- Workers - Inhalation; Short term local effects: 6.28 mg/m³
- Workers - Dermal; Long term systemic effects: 18.2 mg/kg bw/day
- Workers - Dermal; Long term local effects: 0.525 mg/cm²
- Consumer - Inhalation; Long term systemic effects: 0.019 mg/m³
- Consumer - Inhalation; Short term local effects: 4.71 mg/m³
- Consumer - Dermal; Long term systemic effects: 9.11 mg/kg bw/day
- Consumer - Dermal; Long term local effects: 0.0787 mg/cm²
- Consumer - Dermal; Short term local effects: 0.0787 mg/cm²
- 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
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GERANIOL (CAS: 106-24-1)

DNEL	Workers - Inhalation; Long term systemic effects: 161.6 mg/m ³ 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 ³ Consumer - Dermal; Long term systemic effects: 7.5 mg/kg
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Gamma-Undecalactone (CAS: 104-67-6)

DNEL	Workers - Inhalation; systemic effects: 19 mg/m ³ Workers - Dermal; Long term systemic effects: 5.38 mg/kg bw/day Consumer - Inhalation; systemic effects: 4.68 mg/m ³ Consumer - Dermal; Long term systemic effects: 2.7 mg/kg bw/day Consumer - Oral; Long term systemic effects: 2.7 mg/kg bw/day
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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
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
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	Liquid.
Colour	Blue.
pH	pH (concentrated solution): 10-12 pH (diluted solution): 8-10 1%
Relative density	0.97-1.03 @ 20°C

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 7,434.15

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

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	
Inhalation	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	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Irritating to skin.
Eye contact	Risk of serious damage to eyes. Symptoms following overexposure may include the following: Redness. Pain.
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 Ingestion

Toxicological information on ingredients.

PEG-7-C10 Oxo Alcohol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 501.0

Species Rat

ATE oral (mg/kg) 501.0

didecyldimethylammonium chloride

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 2,001.0

Acute toxicity - dermal

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

Species Rat

ATE dermal (mg/kg) 2,001.0

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID

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) 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

Butylphenyl Methylpropional

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,390.0

ATE oral (mg/kg) 500.0

HEXYL CINNAMAL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,100.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 3,001.0

Species Rabbit

ATE dermal (mg/kg) 3,001.0

AMYL SALICYLATE

Acute toxicity - oral

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

ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,000.0
Species	Rabbit

2-Tertiary-Butylcyclohexylacetate

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	4,600.0
Species	Rat
ATE oral (mg/kg)	4,600.0
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0
Species	Rabbit
ATE dermal (mg/kg)	5,001.0

Allyl-3-Cyclohexylpropionate

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	480.0
Species	Rat
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	1,600.0
Species	Rabbit
ATE dermal (mg/kg)	1,100.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	11.0
ATE inhalation (vapours mg/l)	11.0

2-Cyclohexylidene-2-Phenylacetonitrile

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	619.0
ATE oral (mg/kg)	500.0

Mehtyl Decenol

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	8,001.0

Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0

Species	Rabbit
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GERANIOL

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	3,600.0

Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0

Species	Rabbit
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Nerol

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	4,500.0

Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0

Species	Rabbit
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EUGENOL

Carcinogenicity

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

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

Acute toxicity - oral	
Acute toxicity oral (LD ₅₀ mg/kg)	3,900.0

Species	Rat
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Acute toxicity - dermal	
Acute toxicity dermal (LD ₅₀ mg/kg)	2,500.0

Species	Rabbit
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P-Cresyl Methylether

Acute toxicity - oral	
ATE oral (mg/kg)	500.0

Gamma-Undecalactone

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

ATE dermal (mg/kg) 2,001.0

METHYLUNDECANAL

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 8,280.0

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

Alpha Pinene

Acute toxicity - oral

ATE oral (mg/kg) 500.0

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.

SECTION 12: Ecological information

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

12.1. Toxicity

Toxicity Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

PEG-7-C10 Oxo Alcohol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 10-100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 10-100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 10-100 mg/l, Algae

didecyldimethylammonium chloride

Acute aquatic toxicity

LE(C) ₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.49 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	NOEC, 21 days: 0.021 mg/l, Daphnia EC ₅₀ , 48 hours: 0.03 mg/l, Daphnia
Acute toxicity - aquatic plants	NOEC, 72 hours: 0.013 mg/l, Pseudokirchneriella subcapitata EC ₅₀ , 72 hours: 0.06 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: 17.9 mg/l, Activated sludge EC ₂₀ , 3 hours: 8.9 mg/l, Activated sludge

Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >100 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC ₂₀ , 0.5 hour: >1000 mg/l, Activated sludge
Acute toxicity - terrestrial	LC ₅₀ , 14 days: 142 mg/kg, Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 28 days: >=100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, : >=100 mg/l, Daphnia magna

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 48 hours: 440 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 1535 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 8 days: 425 mg/l,

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	LC ₅₀ , 96 hours: 1.3 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1.4 mg/l, Daphnia
Acute toxicity - aquatic plants	EC ₅₀ , 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

HEXYL CINNAMAL

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 1.7 mg/l, Fish LC ₅₀ , 96 hours: 3.1 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 3.86 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 6.87 mg/l, Pseudokirchneriella subcapitata

AMYL SALICYLATE

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 1.34 mg/l, Fish
Chronic aquatic toxicity	
M factor (Chronic)	1

Allyl-3-Cyclohexylpropionate

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.13 mg/l, Fish
Acute toxicity - aquatic invertebrates	LC ₅₀ , 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-Cyclohexylidene-2-Phenylacetone

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

Mehtyl Decenol

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 3 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.4 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 3.6 mg/l, Pseudokirchneriella subcapitata
NOEC, 72 hours: 1.3 mg/l, Pseudokirchneriella subcapitata

GERANIOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 14 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10.8 mg/l, Daphnia

Acute toxicity - aquatic plants EC₅₀, 72 hours: 13.1 mg/l, Algae

Cedr-8-enyl Methyl Ketone (Acetyl Cedrene)

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

2-Ethyl-4-(2,2,3-Trimethyl-3-Cyclopenten-1-yl)-2-Buten-1-ol

Chronic aquatic toxicity

M factor (Chronic) 1

EUGENOL

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

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

Acute aquatic toxicity

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

Gamma-Undecalactone

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 6.13 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 5.85 mg/l, Daphnia
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 5.94 mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	EC10, 21 days: 1.02 mg/l, Daphnia
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METHYLUNDECANAL

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	NOEC, 96 hours: 0.11 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: 0.35 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.21 mg/l, Daphnia
Acute toxicity - aquatic plants	NOEC, 72 hours: 0.089 mg/l, Pseudokirchneriella subcapitata EC ₅₀ , 72 hours: 0.18 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

M factor (Chronic)	1
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METHYL 2-OCTYNOATE

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, 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
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Alpha Pinene

Acute aquatic toxicity

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

Chronic aquatic toxicity

M factor (Chronic)	1
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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, Desmodosmus subspicatus NOEC, 72 hours: 2.62 mg/l, Desmodosmus subspicatus

Chronic aquatic toxicity

M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 16 days: estimated 0.115 mg/l, Daphnia magna

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 Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.
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Ecological information on ingredients.

didecyldimethylammonium chloride

Biodegradation	- Degradation >70%: 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-Tetramethyl-2-naphthyl)Ethan-1-one
Persistence and degradability	Not readily biodegradable.
Biodegradation	- 11%: 28 days

HEXYL CINNAMAL

Persistence and degradability	Readily biodegradable.
Biodegradation	- 97%: 28 days

AMYL SALICYLATE

Persistence and degradability	Readily biodegradable.
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Allyl-3-Cyclohexylpropionate

Persistence and degradability	Readily biodegradable.
Biodegradation	- 86%: 28 days

Mehtyl Decenol

Persistence and degradability	Readily biodegradable.
Biodegradation	- 73%: 28 days

GERANIOL

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 28 days

Nerol

Persistence and degradability Readily biodegradable.

Gamma-Undecalactone

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 28 days

METHYLUNDECANAL

Persistence and degradability Readily biodegradable.

Biodegradation Activated sludge - 62%: 28 days

d-LIMONENE

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

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

HEXYL CINNAMAL

Partition coefficient log Pow: 5.3

Allyl-3-Cyclohexylpropionate

Partition coefficient log Pow: 4.3

Mehtyl Decenol

Partition coefficient log Pow: 3.9

GERANIOL

Partition coefficient log Pow: 2.6

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

Partition coefficient log Pow: 2.34

Gamma-Undecalactone

Partition coefficient log Pow: 3.6

DAMASCONE (DELTA)

Partition coefficient log Pow: 4.2

d-LIMONENE

Partition coefficient log Kow: 2.78-5.03

12.4. Mobility in soil

Mobility The product is 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.

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

14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldimethylammonium chloride)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldimethylammonium chloride)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldimethylammonium chloride)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldimethylammonium chloride)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (-)

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

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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	Change is due to new perfume
Revision date	27/04/2021
Revision	1
Supersedes date	02/03/2021
SDS number	8238/23090
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H361 Suspected of damaging fertility or the unborn child. 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.