

**SAFETY DATA SHEET****Sultrasoft Deo P (N)**

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	Sultrasoft Deo P (N)
Product number	7877/21471
UFI	UFI: TU41-0787-C002-XFGN

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

Identified uses	Detergent. Cleaning agent. Dry Cleaning
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1.3. Details of the supplier of the safety data sheet

Supplier	Christeyns NV Afrikalaan 182 9000 Gent Belgium Tel: +32 9 223 38 71 info@christeyns.be
Manufacturer	Cole & Wilson Ltd Rutland Street Bradford West Yorkshire BD4 7EA T:01274 393286 F: 01274 309143 info@colewilson.co.uk

1.4. Emergency telephone number

Emergency telephone	Christeyns NV: Tel: +32 9 223 38 71 (Mon-Fri 8am-4pm)
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National emergency telephone number	<p>NCEC Tel: +44 1235 239670 (UK and Europe) (DE) Giftnotruf Berlin +49 30 19240 (24h erreichbar) (DE) Giftnotruf Berlin +49 (0)30 30686 790 (CH) STIZ, tel. 145 (CH) Centre suisse d'information toxicologique: +41.(0)1.251.51.51 (AT) Vergiftungsinformationszentrale: +43 1 40 400 2222 worldwide: http://www.who.int/ipcs/poisons/centre/directory/en (FR) CENTRE ANTI-POISON France: +33 45 42 59 59 ORFILA (INRS) (FR) CENTRE ANTI-POISON Nancy: +33 (03) 83 26 36 36 (FI) Myrkytystietokeskus +358 9 471 977 (BE) Belgisch Antigifcentrum/Centre Antipoisons Belge : +32 70 245 245 (ES) Teléfono Instituto Nacional de Toxicología: 915 620 420 (GB) NHS 111 (IT) Centro Antiveleni, Ospedale Niguarda Milano: +39 02 6610 1029 (CZ) Toxikologické informační středisko, Klinika pracovního lékařství VFN a 1. LF UK, Na Bojišti 1, 120 00 Praha 2: +420 224 919 293, +420 224 915 402 (SK) Národné toxikologické informačné centrum, Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného lekárstva a toxikológie, Limbová 5, 833 05 Bratislava : +421 2 54 77 41 66 +45 8988 2286 (Denmark) +358 9 7479 0199 (Finland) +47 2103 4452 (Norway) +46 8 566 42573 +46 112 Begär Giftinformation (Sweden)</p>
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400

2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	<p>EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. H315 Causes skin irritation. H318 Causes serious eye damage. H400 Very toxic to aquatic life.</p>
Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling. 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. P321 Specific treatment (see medical advice on this label). P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides
Detergent labelling	15 - < 30% aliphatic hydrocarbons, < 5% cationic surfactants, < 5% perfumes, Contains BENZYL SALICYLATE, HEXYL CINNAMAL, Alpha-Isomethyl Ionone, Butylphenyl Methylpropional, COUMARIN, LIMONENE, 1,2-BENZOISOTHIAZOL-3(2H)-ONE

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Supplementary precautionary statements

P273 Avoid release to the environment.
 P310 Immediately call a POISON CENTER/ doctor.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.

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

2-(2-butoxyethoxy)ethanol	15-30%
CAS number: 112-34-5	EC number: 203-961-6
Classification Eye Irrit. 2 - H319	
Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	5-10%
CAS number: —	EC number: 931-216-1
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	1-3%
CAS number: 68424-85-1	EC number: 270-325-2
M factor (Acute) = 10	M factor (Chronic) = 1
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
hexahydro-hexamethyl-cyclopenta-benzopyran	<1%
CAS number: 1222-05-5	EC number: 214-946-9
	UK REACH registration number: UK-01-0222256558-8-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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SODIUM HYDROXIDE		<1%
CAS number: 1310-73-2	EC number: 215-185-5	
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318		
BENZYL SALICYLATE		0.048%
CAS number: 118-58-1	EC number: 204-262-9	
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
α-hexylcinnamaldehyde		0.048%
CAS number: 101-86-0	EC number: 202-983-3	
M factor (Acute) = 1		
Classification Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		
Alpha-IsoMethyl Ionone		0.013%
CAS number: 127-51-5	EC number: 204-846-3	
Classification Aquatic Chronic 2 - H411		
Butylphenyl Methylpropional		0.013%
CAS number: 80-54-6	EC number: 201-289-8	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Repr. 1B - H360Fd Aquatic Chronic 3 - H412		
δ-LIMONENE		0.013%
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		

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COUMARIN 0.013%	
CAS number: 91-64-5	EC number: 202-086-7
Classification Acute Tox. 4 - H302 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	
ETHANEDIOL <1%	
CAS number: 107-21-1	EC number: 203-473-3
Classification Acute Tox. 4 - H302 STOT RE 2 - H373	
1,2-benzisothiazol-3(2H)-one <1%	
CAS number: 2634-33-5	EC number: 220-120-9
M factor (Acute) = 1	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400	
Linalool 0.0039%	
CAS number: 78-70-6	EC number: 201-134-4
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317	
EUGENOL 0.0039%	
CAS number: 97-53-0	EC number: 202-589-1
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317	
CITRONELLOL 0.0039%	
CAS number: 106-22-9	EC number: 203-375-0
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317	

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<p>Diphenyl Ether <1%</p> <p>CAS number: 101-84-8 EC number: 202-981-2</p> <p>M factor (Acute) = 1</p>
<p>Classification</p> <p>Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412</p>
<p>potassium hydroxide <1%</p> <p>CAS number: 1310-58-3 EC number: 215-181-3</p>
<p>Classification</p> <p>Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318</p>
<p>Beta Pinene <1%</p> <p>CAS number: 127-91-3 EC number: 204-872-5</p>
<p>Classification</p> <p>Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304</p>
<p>Alpha Pinene <1%</p> <p>CAS number: 80-56-8 EC number: 201-291-9</p> <p>M factor (Acute) = 1 M factor (Chronic) = 1</p>
<p>Classification</p> <p>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</p>
<p>TURPENTINE, OIL <1%</p> <p>CAS number: 8006-64-2 EC number: 932-349-8</p>
<p>Classification</p> <p>Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411</p>

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ISOPENTYL ACETATE	<1%
CAS number: 123-92-2	EC number: 204-662-3
Classification Flam. Liq. 3 - H226	
TOLUENE	<1%
CAS number: 108-88-3	EC number: 203-625-9
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	

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. May cause skin sensitisation or allergic reactions in sensitive individuals. 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. If in doubt, get medical attention promptly.
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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

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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.

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).

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.

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

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

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ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m³(Sk)

Diphenyl Ether

Long-term exposure limit (8-hour TWA): WEL 1 ppm 7 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 14 mg/m³

potassium hydroxide

Short-term exposure limit (15-minute): WEL 2 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

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

TURPENTINE, OIL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m³

ISOPENTYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 270 mg/m³ 50 ppm

Short-term exposure limit: WEL 541 mg/m³ 100 ppm

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m³(Sk)

Short-term exposure limit: WEL 384 mg/m³ 100 ppm

WEL = Workplace Exposure Limit.

2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)

DNEL

Workers - Inhalation; Long term systemic effects: 67.5 mg/m³

Workers - Dermal; Long term systemic effects: 83 mg/kg/day

Workers - Inhalation; Short term local effects: 101.2 mg/m³

Workers - Inhalation; Long term local effects: 67.5 mg/m³

Consumer - Inhalation; Short term local effects: 60.7 mg/m³

Consumer - Inhalation; Long term systemic effects: 40.5 mg/m³

Consumer - Dermal; Long term systemic effects: 50 mg/kg/day

Consumer - Oral; Long term systemic effects: 5 mg/kg/day

Consumer - Inhalation; Long term local effects: 40.5 mg/m³

PNEC

- Fresh water; 1.1 mg/l

- marine water; 0.11 mg/l

- Intermittent release; 11 mg/l

- Sediment (Freshwater); 4.4 mg/kg

- Sediment (Marinewater); 0.44 mg/kg

- STP; 200 mg/l

- Soil; 0.32 mg/kg

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

PNEC

Fresh water; 0.00191 mg/l

marine water; 0.000191 mg/l

STP; 2.96 mg/l

Sediment (Freshwater); 0.58 mg/kg dwt

Sediment (Marinewater); 0.058 mg/kg dwt

SODIUM HYDROXIDE (CAS: 1310-73-2)

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DNEI	<p>Consumer - Inhalation; Long term local effects: 1 mg/m³ Workers - Inhalation; Long term local effects: 1 mg/m³ Workers - Dermal; Short term local effects: 2 mg/kg/day Workers - Inhalation; Short term local effects: 2 mg/m³</p> <p style="text-align: center;">2-phenylethanol (CAS: 60-12-8)</p>
DNEI	<p>Workers - Inhalation; Long term systemic effects: 59.9 mg/m³ Workers - Dermal; Long term systemic effects: 21.2 mg/kg General population - Inhalation; Long term systemic effects: 17.7 mg/m³ General population - Dermal; Long term systemic effects: 12.7 mg/kg General population - Oral; Long term systemic effects: 5.1 mg/kg Workers - Oral; Short term systemic effects: 5.1 mg/kg</p> <p style="text-align: center;">a-hexylcinnamaldehyde (CAS: 101-86-0)</p>
DNEI	<p>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</p>
PNEC	<p>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</p> <p style="text-align: center;">Gamma-Undecalactone (CAS: 104-67-6)</p>
DNEI	<p>Workers - Inhalation; systemic effects: 19 mg/m³ Workers - Dermal; Long term systemic effects: 5.38 mg/kg bw/day Consumer - Inhalation; systemic effects: 4.68 mg/m³ Consumer - Dermal; Long term systemic effects: 2.7 mg/kg bw/day Consumer - Oral; Long term systemic effects: 2.7 mg/kg bw/day</p>
PNEC	<p>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</p> <p style="text-align: center;">Tetrahydro Linalool (CAS: 78-69-3)</p>
DNEI	<p>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</p>

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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
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TURPENTINE, OIL (CAS: 8006-64-2)

DNEL	Industry - Dermal; local effects: 161000 mg/m ³ Industry - Inhalation; Long term : 5.98 mg/m ³ Consumer - Dermal; local effects: 81000 mg/m ³ Consumer - Inhalation; Long term systemic effects: 1.06 mg/m ³ Consumer - Oral; Long term systemic effects: 0.31
PNEC	- Fresh water; 0.0088 mg/l - marine water; 0.00088 mg/l - STP; 6.6 mg/l - Sediment (Freshwater); 2.27 mg/kg - Sediment (Marinewater); 0.277 mg/kg - Soil; 0.45 mg/kg

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	Yellow.
Odour	Perfume.
pH	pH (concentrated solution): 6.0-8.0
Initial boiling point and range	>100°C @ 760 mm Hg
Flash point	> 61°C Closed cup.
Relative density	1.02-1.08 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	>200°C

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Viscosity 280 cP @ 20°C

9.2. Other information

Other information Not determined.

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) 33,125.0

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 May cause sensitisation or allergic reactions in sensitive individuals.

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.

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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	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	The product contains a sensitising substance. Irritating to skin. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
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.

Sorbitan monooleate, ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0

2-(2-butoxyethoxy)ethanol

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,410.0
Species	Mouse
ATE oral (mg/kg)	2,410.0

Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	2,764.0
Species	Rabbit
ATE dermal (mg/kg)	2,764.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC ₅₀ vapours mg/l)	29.0
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Species Rat

ATE inhalation (vapours mg/l) 29.0

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

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

Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEL 1000 mg/kg, Oral, Rat

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Acute toxicity - oral

ATE oral (mg/kg) 500.0

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

SODIUM HYDROXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 501.0

Species Rabbit

ATE oral (mg/kg) 501.0

hexyl-2-hydroxybenzoate

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

Sultrasoft Deo P (N)

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

Species Rabbit

2-phenylethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,610.0

Species Rat

ATE oral (mg/kg) 1,610.0

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) 3,370.0

Species Rat

ATE oral (mg/kg) 3,370.0

Acute toxicity - dermal

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

Species Rabbit

ATE dermal (mg/kg) 5,001.0

BENZYL SALICYLATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,227.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 14,150.0

Species Rabbit

α-hexylcinnamaldehyde

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

Sultrasoft Deo P (N)

Species	Rabbit
ATE dermal (mg/kg)	3,001.0

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

Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0
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Species	Rabbit
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ATE dermal (mg/kg)	5,001.0
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Alpha-IsoMethyl Ionone

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	5,001.0
--	---------

Species	Rat
---------	-----

Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0
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Species	Rabbit
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Reproductive toxicity

Reproductive toxicity - fertility	Fertility - NOAEL 500 mg/kg body weight, Oral, Rat
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Reproductive toxicity - development	Developmental toxicity: - NOAEL: >30 mg/kg body weight, Oral, Rat Maternal toxicity: - NOAEL: >30 mg/kg body weight, Oral, Rat
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Benzyl acetate

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,490.0
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Species	Rat
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ATE oral (mg/kg)	2,490.0
------------------	---------

Carcinogenicity

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

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	1,390.0
--	---------

Species	Rat
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ATE oral (mg/kg)	500.0
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Acute toxicity - dermal

Sultrasoft Deo P (N)

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.

2,6-Dimethyl-7-octen-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

COUMARIN

Acute toxicity - oral

Acute toxicity oral (LD₅₀
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.

1,2-benzisothiazol-3(2H)-one

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 0.5

Vanillin

Acute toxicity - oral

Sultrasoft Deo P (N)

Acute toxicity oral (LD₅₀
mg/kg) 3,500.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,010.0

Species Rabbit

ATE dermal (mg/kg) 5,010.0

a,a-Dimethylphenethyl Acetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,300.0

Species Rat

Acute toxicity - dermal

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

Species Rabbit

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,810.0

Species Rat

Acute toxicity - dermal

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

Species Rat

Heliotropine

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,700.0

Species Rat

Acute toxicity - dermal

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

Species Rat

ATE dermal (mg/kg) 5,001.0

Linalool

Acute toxicity - oral

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

Species Rat

Sultrasoft Deo P (N)

Acute toxicity - dermal

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

Species Rabbit

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.

CITRONELLOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,450.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,650.0

Species Rabbit

BETA-IONONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,590.0

Species Rat

Gamma-Undecalactone

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 Rabbit

ATE dermal (mg/kg) 2,001.0

Tetrahydro Linalool

Acute toxicity - oral

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

Sultrasoft Deo P (N)

Species Rat

Acute toxicity - dermal

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

Species Rabbit

Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEL 887-1024 mg/kg body weight, Oral, Rat - NOAEL 338-361 mg/kg body weight, Oral, Rat F1 - NOAEL 278-345 mg/kg body weight, Oral, Rat F0

Reproductive toxicity - development Maternal toxicity: - NOAEL: 150 mg/kg body weight, Oral, Rabbit Developmental toxicity: - NOAEL: 500 mg/kg body weight, Oral, Rabbit

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

3a,4,5,6,7,7a-Hexahydro-4,7-Methano-1(3)-Inden-6-yl-Acetate

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

METHYLUNDECANAL

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 10,001.0

Species Rabbit

Sultrasoft Deo P (N)

Diphenyl Ether

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 7,941.0

Species Rabbit

Isobutenyl methyltetrahydropyran

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,300.0

Species Rat

Acute toxicity - dermal

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

Species Rabbit

potassium hydroxide

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Alpha Pinene

Acute toxicity - oral

ATE oral (mg/kg) 500.0

TURPENTINE, OIL

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀
vapours mg/l) 13.7

ATE inhalation (vapours mg/l) 13.7

SECTION 12: Ecological information

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

12.1. Toxicity

Toxicity Very toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

Sorbitan monooleate, ethoxylated

Sultrasoft Deo P (N)

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >100 mg/kg, Carassius auratus (Goldfish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/kg, Daphnia magna

2-(2-butoxyethoxy)ethanol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 2700 mg/l, Fish LC ₅₀ , 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ECr50, 96 hours: > 100 mg/l, Scenedesmus subspicatus EyC50, 96 hours: > 100 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC10, 0.5 hour: > 1995 mg/l, Activated sludge EC ₅₀ , : 255 mg/l, Activated sludge

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 1.91 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.23 mg/l, Daphnia
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 2.14 mg/l, Algae

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Acute aquatic toxicity

LE(C) ₅₀	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.85 mg/l, Oncorhynchus mykiss (Rainbow trout) NOEC, 28 days: 0.0322 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.016 mg/l, Daphnia NOEC, 21 days: 0.025 mg/l, Daphnia
Acute toxicity - aquatic plants	EC10, 72 hours: 0.0025 mg/l, Selenastrum capricornutum EC ₅₀ , 72 hours: 0.02 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₂₀ , 0.5 hours: 5 mg/l, Activated sludge

Chronic aquatic toxicity

M factor (Chronic)	1
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hexahydro-hexamethyl-cyclopenta-benzopyran

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.9 mg/l, Daphnia
Acute toxicity - aquatic plants	IC ₈₀ , 72 hours: >0.854 mg/l, Algae

Sultrasoft Deo P (N)

Chronic aquatic toxicity

M factor (Chronic) 1

SODIUM HYDROXIDE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 35-189 mg/l, Fish
LC₅₀, 96 hours: 45.5 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hours: 125 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 40-240 mg/l, Daphnia magna

hexyl-2-hydroxybenzoate

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.357 mg/l, Daphnia magna
EC₅₀, 96 hours: 0.39 mg/l, Daphnia magna, Freshwater invertebrates, Marinewater invertebrates

Acute toxicity - aquatic plants EC₅₀, 72 hours: 0.61 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

M factor (Chronic) 1

a-hexylcinnamaldehyde

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 1.7 mg/l, Fish
LC₅₀, 96 hours: 3.1 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.86 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 6.87 mg/l, Pseudokirchneriella subcapitata

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

d-LIMONENE

Sultrasoft Deo P (N)

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

1,2-benzisothiazol-3(2H)-one

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 1.6 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.94 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.11 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₂₀ , 3 hours: 3.3 mg/l, Activated sludge

Vanillin

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ Flow-through, 96 hours: 53-61.3 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ semi-static, 96 hours: 57 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ static, 96 hours: 88 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 180 mg/l, Daphnia magna

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

Acute aquatic toxicity

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

EUGENOL

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
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Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics

Sultrasoft Deo P (N)

Acute aquatic toxicity

Acute toxicity - fish	LL0, 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EL0, 48 hours: 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL0, 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata NOELR, 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata

7-Acetyl-1,1,3,4,4,6-hexamethyl tetralin

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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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
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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)
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Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.21 mg/l, Daphnia NOEC, 48 hours: 0.053 mg/l, Daphnia magna
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Acute toxicity - aquatic plants	NOEC, 72 hours: 0.089 mg/l, Pseudokirchneriella subcapitata EC ₅₀ , 72 hours: 0.18 mg/l, Pseudokirchneriella subcapitata
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Acute toxicity - microorganisms	NOEC, : 100 mg/l, Activated sludge
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Chronic aquatic toxicity

Sultrasoft Deo P (N)

M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.033 mg/l, Daphnia magna

Diphenyl Ether

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

potassium hydroxide

Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hours: 44 (24h) mg/l, Fish

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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TURPENTINE, OIL

Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hours: 29.0 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 8.8 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, : 10 mg/l, Freshwater algae EC ₅₀ , : 17.1 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC ₅₀ , : 736 mg/l,

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.

Sorbitan monooleate, ethoxylated

Biodegradation	The product is biodegradable. - 60%: > 28 days
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Chemical oxygen demand	2200 mg O ₂ /g
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2-(2-butoxyethoxy)ethanol

Persistence and degradability The product is biodegradable. >70% Readily biodegradable

Biodegradation	OECD 302B - Degradation 100%: 28 days
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Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

Biodegradation	- >70%: 56 days
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Sultrasoft Deo P (N)

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Biodegradation - >60%:

hexahydro-hexamethyl-cyclopenta-benzopyran

Persistence and degradability Not readily biodegradable.

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%:

4-tertiary-butyl-cyclohexyl-acetate

Persistence and degradability Readily biodegradable.

Biodegradation - Degradation 75%:

a-hexylcinnamaldehyde

Persistence and degradability Readily biodegradable.

Biodegradation - 97%: 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

Alpha-IsoMethyl Ionone

Biodegradation - Degradation 42.51%: 28 days

d-LIMONENE

Persistence and degradability Not readily biodegradable.

COUMARIN

Persistence and degradability Readily biodegradable.

ETHANEDIOL

Biodegradation OECD 301A - Degradation 90-100%:

1,2-benzisothiazol-3(2H)-one

Biodegradation OECD 302B, STP - 90%:

Vanillin

Persistence and degradability Readily biodegradable.

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

Persistence and degradability Readily biodegradable.

Sultrasoft Deo P (N)

Biodegradation - 65.5%: 28 days

Gamma-Undecalactone

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 28 days

Tetrahydro Linalool

Persistence and degradability Readily biodegradable.

Biodegradation OECD 301F - Degradation 60%: 28 days

2-Tertiary-Butylcyclohexylacetate

Biodegradation Activated sludge - Degradation 43 %: ~ 28 days

METHYLUNDECANAL

Persistence and degradability Readily biodegradable.

Biodegradation Activated sludge - 62%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

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

Partition coefficient log Pow: 1.00

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Partition coefficient log Kow: 2.88

hexahydro-hexamethyl-cyclopenta-benzopyran

Partition coefficient log Pow: 5.3

hexyl-2-hydroxybenzoate

Partition coefficient log Pow: 5.5 (30C)

a-hexylcinnamaldehyde

Partition coefficient log Pow: 5.3

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

d-LIMONENE

Partition coefficient log Kow: 2.78-5.03

ETHANEDIOL

Sultrasoft Deo P (N)

Partition coefficient	log Kow: -1.36	
		1,2-benzisothiazol-3(2H)-one
Bioaccumulative potential	BCF: 6.95, Fish	
Partition coefficient	log Kow: 0.7	
		Vanillin
Partition coefficient	log Kow: 1.21	
		2-methyl-3-(4-isopropylphenyl) propanal
Partition coefficient	log Pow: 3.4	
		Gamma-Undecalactone
Partition coefficient	log Pow: 3.6	
		Tetrahydro Linalool
Bioaccumulative potential	BCF: 99.87,	
Partition coefficient	log Pow: 3.3	
		2-Tertiary-Butylcyclohexylacetate
Bioaccumulative potential	BCF: ~ 156, Oncorhynchus mykiss (Rainbow trout)	
		TURPENTINE, OIL
Partition coefficient	log Kow: 4.49	

12.4. Mobility in soil

Mobility The product is non-volatile.

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

Adsorption/desorption coefficient - Koc: 2 @ 20°C

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.

2-(2-butoxyethoxy)ethanol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

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.

Sultrasoft Deo P (N)

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. (contains 1,2-benzisothiazol-3(2H)-one)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2-benzisothiazol-3(2H)-one)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2-benzisothiazol-3(2H)-one)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2-benzisothiazol-3(2H)-one)

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



Sultrasoft Deo P (N)

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

Drug Precursors Regulation
(273/2004)

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	Revision is due to change of UFI number Revision is due to general MSDS review
Revision date	07/02/2024
Revision	15
Supersedes date	24/05/2023
SDS number	7877/21471

Sultrasoft Deo P (N)

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
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.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H360Fd May damage fertility. Suspected of damaging the unborn child.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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.