

**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: C8TP-50KG-G00H-M635

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

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)

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
 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.

Precautionary statements
 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.

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
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
SODIUM HYDROXIDE	<1%
CAS number: 1310-73-2	EC number: 215-185-5
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

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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		
a-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		
d-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		
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		

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ETHANEDIOL		<1%
CAS number: 107-21-1	EC number: 203-473-3	
Classification Acute Tox. 4 - H302		
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 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		
Diphenyl Ether		<1%
CAS number: 101-84-8	EC number: 202-981-2	
M factor (Acute) = 1		
Classification Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412		

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potassium hydroxide		<1%
CAS number: 1310-58-3	EC number: 215-181-3	
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318		
TURPENTINE, OIL		<1%
CAS number: 8006-64-2	EC number: 932-349-8	
Classification 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		
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		
ISOPENTYL ACETATE		<1%
CAS number: 123-92-2	EC number: 204-662-3	
Classification Flam. Liq. 3 - H226		

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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	Remove contaminated clothing. Wash skin thoroughly with soap and water. 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	This is unlikely to occur but symptoms similar to those of ingestion may develop. Spray/mists may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	May cause sensitisation or allergic reactions in sensitive individuals. Causes skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	This product is strongly irritating.

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

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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. Avoid inhalation of vapours and contact with skin and eyes.
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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. 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.
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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. Store in tightly-closed, original container in a dry, cool and 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.
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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

ETHANEDIOL

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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

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

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

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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DNEL

Consumer - Inhalation; Long term local effects: 1 mg/m³
 Workers - Inhalation; Long term local effects: 1 mg/m³
 Industry - Inhalation; Long term local effects: 1 mg/m³

2-phenylethanol (CAS: 60-12-8)

DNEL

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

a-hexylcinnamaldehyde (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

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

DNEL

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

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

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

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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

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

DNEL

Industry - Dermal; local effects: 161000 mg/m³
Industry - Inhalation; Long term : 5.98 mg/m³
Consumer - Dermal; local effects: 81000 mg/m³
Consumer - Inhalation; Long term systemic effects: 1.06 mg/m³
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	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	Liquid.
Colour	Light brown.
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 The following materials may react with the product: Oxidising agents. Reducing agents.

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 Oxidising agents. 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 dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

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 irritation.

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

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	This is unlikely to occur but symptoms similar to those of ingestion may develop. Spray/mists may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
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	This product is strongly irritating. 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 Inhalation
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

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

2-phenylethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,790.0

Sultrasoft Deo P (N)

Species Rat

ATE oral (mg/kg) 1,790.0

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) 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

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

a-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

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 (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

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

Benzyl acetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,490.0

Species Rat

ATE oral (mg/kg) 2,490.0

Carcinogenicity

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

Butylphenyl Methylpropional

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 500.0

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

Sultrasoft Deo P (N)

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

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

Linalool

Acute toxicity - oral

Sultrasoft Deo P (N)

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

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

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

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

Species

Rat

Acute toxicity - dermal

Sultrasoft Deo P (N)

Acute toxicity dermal (LD₅₀
mg/kg)

5,001.0

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

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

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

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

Sultrasoft Deo P (N)

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

5,001.0

Species

Rabbit

BETA-IONONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

4,590.0

Species

Rat

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

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

Diphenyl Ether

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

5,001.0

Species

Rat

Sultrasoft Deo P (N)

Acute toxicity - dermal

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

Species Rabbit

potassium hydroxide

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

Alpha Pinene

Acute toxicity - oral

ATE oral (mg/kg) 500.0

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.

Sorbitan monooleate, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >100 mg/kg, Carassius auratus (Goldfish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/kg, Daphnia magna

2-(2-butoxyethoxy)ethanol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 2700 mg/l, Fish
LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC₅₀, 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
EC₅₀, : 255 mg/l, Activated sludge

Sultrasoft Deo P (N)

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)C ₅₀ ≤ 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	EC ₁₀ , 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

hexahydro-hexamethyl-cyclopenta-benzopyran

Acute aquatic toxicity

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

SODIUM HYDROXIDE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 35-189 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 40.4 mg/l, Ceriodaphnia Dubia (Water flea)

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)

Sultrasoft Deo P (N)

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

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 0.7 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 96 hours: 0.8 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.4 mg/l, Daphnia magna
EC₅₀, 48 hours: 69.6 mg/l, Daphnia

Acute toxicity - aquatic plants NOEC, 96 hours: 4 mg/l,
ErC₅₀, 72 hours: 8 mg/l, Desmodesmus subspicatus
NOEC, 72 hours: 2.62 mg/l, Desmodesmus subspicatus

Chronic aquatic toxicity

M factor (Chronic) 1

Chronic toxicity - aquatic invertebrates NOEC, 16 days: estimated 0.115 mg/l, Daphnia magna

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

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: 1.6 mg/l, <i>Oncorhynchus mykiss</i> (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.94 mg/l, <i>Daphnia magna</i>
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.11 mg/l, <i>Selenastrum capricornutum</i>
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, <i>Pimephales promelas</i> (Fat-head Minnow) LC ₅₀ semi-static, 96 hours: 57 mg/l, <i>Pimephales promelas</i> (Fat-head Minnow) LC ₅₀ static, 96 hours: 88 mg/l, <i>Pimephales promelas</i> (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 180 mg/l, <i>Daphnia magna</i>

METHYLUNDECANAL

Acute aquatic toxicity

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

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

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	EC ₁₀ , 21 days: 1.02 mg/l, <i>Daphnia</i>
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2-methyl-3-(4-isopropylphenyl) propanal

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: estimated >1 - 3 mg/l, Fish
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Sultrasoft Deo P (N)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 4.19 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: 3.8 mg/l, Pseudokirchneriella subcapitata

Hydrocarbons, C11-C13, Isoalkanes, <2% aromatics

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

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

EUGENOL

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

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

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 LC₅₀, 96 hours: 44 (24h) mg/l, Fish

TURPENTINE, OIL

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 29.0 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 8.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOEC, : 10 mg/l, Freshwater algae
EC₅₀, : 17.1 mg/l, Freshwater algae

Sultrasoft Deo P (N)

Acute toxicity - microorganisms EC₅₀, : 736 mg/l,

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

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

Chemical oxygen demand 2200 mg O₂/g

2-(2-butoxyethoxy)ethanol

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

Biodegradation OECD 302B - Degradation 100%: 28 days

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

Biodegradation - >70%: 56 days

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

Sultrasoft Deo P (N)

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

d-LIMONENE

Persistence and degradability Not readily biodegradable.

COUMARIN

Persistence and degradability Readily biodegradable.

ETHANEDIOL

Biodegradation OECD 301A - Degradation 90-100%:

Vanillin

Persistence and degradability Readily biodegradable.

METHYLUNDECANAL

Persistence and degradability Readily biodegradable.

Biodegradation Activated sludge - 62%: 28 days

Gamma-Undecalactone

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 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%:

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

Persistence and degradability Readily biodegradable.

Biodegradation - 65.5%: 28 days

2-Tertiary-Butylcyclohexylacetate

Biodegradation Activated sludge - Degradation 43 %: ~ 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

Sultrasoft Deo P (N)

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)

α -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

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

Gamma-Undecalactone

Partition coefficient log Pow: 3.6

Tetrahydro Linalool

Partition coefficient log Pow: 3.3

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

Partition coefficient log Pow: 3.4

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.

Sultrasoft Deo P (N)

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.

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)

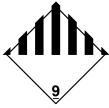
ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9

Sultrasoft Deo P (N)

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

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

Sultrasoft Deo P (N)

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

24/05/2023

Revision

14

Supersedes date

27/10/2022

SDS number

7877/21471

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.