SAFETY DATA SHEET

Sultrasoft Deo Hi (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 Hi (N)
Product number	7876/21460
UFI	UFI: 75TP-N0W3-6000-XUG6

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

Identified uses	Detergent. Cleaning agent. Dry Cleaning

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

1.4. Emergency telephone number

Emergency telephone	Christeyns NV: Tel: +32 9 223 38 71 (Mon-Fri 8am-4pm)
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	Eye Irrit. 2 - H319

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Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms

Signal word	Warning
Hazard statements	EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Detergent labelling	≥ 30% aliphatic hydrocarbons, < 5% cationic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains BENZYL SALICYLATE, HEXYL CINNAMAL, Alpha-Isomethyl Ionone, Butylphenyl Methylpropional, COUMARIN, LIMONENE, 1,2-BENZOISOTHIAZOL-3(2H)-ONE

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 — 50-80%

CAS number: 112-34-5 EC number: 203-961-6

Classification
Eye Irrit. 2 - H319

Isotridecanol,ethoxylated (>7 - <15 EO) — 3-5%

CAS number: 69011-36-5 EC number: 931-138-8

Classification
Eye Irrit. 2 - H319
Aquatic Chronic 3 - H412

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized — 1-3%

CAS number: — EC number: 931-216-1

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

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Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides <1%

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

BENZYL SALICYLATE 0.051%

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 0.051%

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

Butylphenyl Methylpropional 0.014%

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

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d-LIMONENE 0.014%

CAS number: 5989-27-5 EC number: 227-813-5

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Alpha-IsoMethyl Ionone 0.014%

CAS number: 127-51-5 EC number: 204-846-3

Classification
Aquatic Chronic 2 - H411

COUMARIN 0.014%

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

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 0.0041%

CAS number: 78-70-6 EC number: 201-134-4

Classification
Skin Sens. 1B - H317

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EUGENOL 0.0041%

CAS number: 97-53-0 EC number: 202-589-1

Classification
Eye Irrit. 2 - H319
Skin Sens. 1B - H317

CITRONELLOL 0.0041%

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

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

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

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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

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

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: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

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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	This is unlikely to occur but symptoms similar to those of ingestion may develop. Spray/mists may cause respiratory tract irritation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause sensitisation or allergic reactions in sensitive individuals. May cause 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.

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.

5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Dangerous for the environment if discharged into watercourses. If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

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.

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. Inform authorities if large amounts are involved.

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6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

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.

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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

DIPROPYLENE GLYCOL N PROPYL ETHER (CAS: 29911-27-1)

DNEL	Workers - Dermal; Long term systemic effects: 60 mg/kg Workers - Inhalation; Long term systemic effects: 84 mg/m³ Consumer - Dermal; Long term systemic effects: 30 mg/kg Consumer - Inhalation; Long term systemic effects: 21 mg/m³ Consumer - Oral; Long term systemic effects: 6 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

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

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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
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 No specific ventilation requirements.

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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 (diluted solution): 6.0-7.0 1%
Relative density	0.92-0.98 @ 20°C
Solubility(ies)	Soluble in water.

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. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

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 LD_{50})	Based on available data the classification criteria are not met.

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Acute toxicity - dermal	
Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Skin corrosion/irritation	May cause skin irritation.
Animal data	Based on available data the classification criteria are not met.
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.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause discomfort if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	The product contains a sensitising substance. May cause skin irritation. 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

Toxicological information on ingredients.

2-(2-butoxyethoxy)ethanol

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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
Species	Rat
ATE inhalation (vapours mg/l)	29.0

DIPROPYLENE GLYCOL N PROPYL ETHER

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0

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

Isotridecanol,ethoxylated (>7 - <15 EO)

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,001.0
Species	Rat
ATE oral (mg/kg)	5,001.0
Acute toxicity - dermal	
ATE dermal (mg/kg)	2,001.0

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 50 mg/kg, Oral, Rat
Target organs	Heart Liver Kidneys

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

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} 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 (LD_{50} mg/kg)	4,640.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	6,500.0
Species	Rabbit

hexyl-2-hydroxybenzoate

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
Species	Rabbit

2-phenylethanol

Acute toxicity - oral

Sultrasoft Deo Hi (N)

Acute toxicity oral (LD_{50} mg/kg)	1,790.0
Species	Rat
ATE oral (mg/kg)	1,790.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit

4-tertiary-butyl-cyclohexyl-acetate

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit
ATE dermal (mg/kg)	5,001.0

BENZYL SALICYLATE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,227.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	14,150.0
Species	Rabbit

a-hexylcinnamaldehyde

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,100.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} 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

Sultrasoft Deo Hi (N)

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
Species	Rabbit
ATE dermal (mg/kg)	5,001.0

Butylphenyl Methylpropional

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	1,390.0
Species	Rat
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit

d-LIMONENE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	4,400.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

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
Species	Rabbit

Benzyl acetate

Acute toxicity - oral	

Sultrasoft Deo Hi (N)

Acute toxicity oral (LD_{50} 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.

2,6-Dimethyl-7-octen-2-ol

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,600.0
Species	Rat
ATE oral (mg/kg)	3,600.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit

COUMARIN

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

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

Linalool

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,790.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit

METHYLUNDECANAL

Acute toxicity - oral	

Sultrasoft Deo Hi (N)

Acute toxicity oral (LD_{50} mg/kg)	5,001.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	10,001.0
Species	Rabbit

EUGENOL

Acute toxicity - oral	
Acute toxicity oral (LD_{50} 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 (LD_{50} mg/kg)	3,450.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,650.0
Species	Rabbit

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

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
Species	Rabbit

BETA-IONONE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	4,590.0
Species	Rat

Vanillin

Acute toxicity - oral

Sultrasoft Deo Hi (N)

Acute toxicity oral (LD_{50} mg/kg)	3,500.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,010.0
Species	Rabbit
ATE dermal (mg/kg)	5,010.0

a,a-Dimethylphenethyl Acetate

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,300.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	3,001.0
Species	Rabbit

Gamma-Undecalactone

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0

Tetrahydro Linalool

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
Species	Rabbit

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

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,810.0
Species	Rat

Sultrasoft Deo Hi (N)

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rat

2-Tertiary-Butylcyclohexylacetate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	4,600.0
Species	Rat
ATE oral (mg/kg)	4,600.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit
ATE dermal (mg/kg)	5,001.0

Specific target organ toxicity - repeated exposure

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

Heliotropine

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,700.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rat
ATE dermal (mg/kg)	5,001.0

Diphenyl Ether

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)	7,941.0
Species	Rabbit

Isobutenyl methyltetrahydropyran

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	4,300.0

Sultrasoft Deo Hi (N)

Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} 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 (LC_{50} 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. Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity: Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

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

DIPROPYLENE GLYCOL N PROPYL ETHER

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)

Sultrasoft Deo Hi (N)

Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, : >1000 mg/l, Selenastrum capricornutum

Sorbitan monooleate, ethoxylated

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

Isotridecanol,ethoxylated (>7 - <15 EO)

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: >1-10 mg/l, Cyprinus carpio (Common carp)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >1-10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: >1-10 mg/l, Desmodesmus subspicatus EC10, 72 hours: 0.6 mg/l, Desmodesmus subspicatus
Acute toxicity - microorganisms	EC_{50}, : 140 mg/l, Activated sludge
Acute toxicity - terrestrial	NOEC, : 220 mg/kg, Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, : 1.73 mg/l,
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 1.36 mg/l, Daphnia magna

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

Sultrasoft Deo Hi (N)

Chronic aquatic toxicity

M factor (Chronic) 1

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

Chronic aquatic toxicity

M factor (Chronic) 1

hexyl-2-hydroxybenzoate

Acute aquatic toxicity

$LE(C)_{50}$ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC_{50}, 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 0.357 mg/l, Daphnia magna
EC_{50}, 96 hours: 0.39 mg/l, Daphnia magna, Freshwater invertebrates, Marinewater invertebrates

Acute toxicity - aquatic plants EC_{50}, 72 hours: 0.61 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

M factor (Chronic) 1

a-hexylcinnamaldehyde

Acute aquatic toxicity

$LE(C)_{50}$ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC_{50}, 96 hours: 1.7 mg/l, Fish
LC_{50}, 96 hours: 3.1 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 3.86 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC_{50}, 72 hours: 6.87 mg/l, Pseudokirchneriella subcapitata

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

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: 1.3 mg/l, Fish

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 1.4 mg/l, Daphnia

Acute toxicity - aquatic plants EC_{50}, 72 hours: 2.6 mg/l, Algae

Chronic aquatic toxicity

M factor (Chronic) 1

Sultrasoft Deo Hi (N)

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	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, 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

Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 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

METHYLUNDECANAL

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

EUGENOL

Acute aquatic toxicity	

Sultrasoft Deo Hi (N)

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1

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

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

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

Vanillin

Acute aquatic toxicity	
Acute toxicity - fish	LC50 Flow-through, 96 hours: 53-61.3 mg/l, Pimephales promelas (Fat-head Minnow) LC50 semi-static, 96 hours: 57 mg/l, Pimephales promelas (Fat-head Minnow) LC50 static, 96 hours: 88 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 24 hours: 180 mg/l, Daphnia magna

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

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

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: estimated >1 - 3 mg/l, Fish

Sultrasoft Deo Hi (N)

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

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

TURPENTINE, OIL

Acute aquatic toxicity	
Acute toxicity - fish	LC50, 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.

2-(2-butoxyethoxy)ethanol

Persistence and degradability	The product is biodegradable. >70% Readily biodegradable
Biodegradation	OECD 302B - Degradation 100%: 28 days

DIPROPYLENE GLYCOL N PROPYL ETHER

Biodegradation	OECD 301A - 92: 28 days

Sorbitan oleate

Persistence and degradability	The product is biodegradable.

Sorbitan monooleate, ethoxylated

Sultrasoft Deo Hi (N)

Biodegradation	The product is biodegradable. - 60%: > 28 days
Chemical oxygen demand	2200 mg O2/g

Isotridecanol,ethoxylated (>7 - <15 EO)

Biodegradation	OECD 301B - >60%: 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

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%:

METHYLUNDECANAL

Persistence and degradability	Readily biodegradable.

Sultrasoft Deo Hi (N)

Biodegradation	Activated sludge - 62%: 28 days

Vanillin

Persistence and degradability	Readily biodegradable.

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

DIPROPYLENE GLYCOL N PROPYL ETHER

Bioaccumulative potential	BCF: <100, log Pow: 0.88,

Sorbitan oleate

Bioaccumulative potential	No potential for bioaccumulation.

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)

Sultrasoft Deo Hi (N)

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

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: Soluble in water.

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

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

Isotridecanol,ethoxylated (>7 - <15 EO)

Adsorption/desorption coefficient	Soil - Koc: > 5000 @ °C

Sultrasoft Deo Hi (N)

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.

Sorbitan oleate

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

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

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

Sultrasoft Deo Hi (N)

SECTION 15: Regulatory information

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

National regulations

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

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).
EC_{50}: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Revision comments Revised classification.

Revision date 24/02/2023

Revision 11

Supersedes date 27/10/2022

SDS number 7876/21460

Sultrasoft Deo Hi (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.