SAFETY DATA SHEET
Sultrasoft HC2

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

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

1.1. Product identifier

Product name	Sultrasoft HC2
Product number	7869/21468
UFI	UFI: 1KSP-402A-1008-AWSH

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

Identified uses	Detergent.

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 Nabbs Lane Chemical Works Nabbs Lane Slaithwaite Huddersfield HD7 5AT Tel: 01484 842353 info@coleandwilson.com

1.4. Emergency telephone number

Emergency telephone	Christeyns NV: Tel: +32 9 223 38 71 (Mon-Fri 8am-4pm)
National emergency telephone number	(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 NHS Direct 111 (GB)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Sultrasoft HC2

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms

Signal word	Danger
Hazard statements	EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. H315 Causes skin irritation. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P501 Dispose of contents/ container in accordance with national regulations.
Contains	QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES, Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides, butan-1-ol
Detergent labelling	15 - < 30% aliphatic hydrocarbons, 5 - < 15% cationic surfactants, < 5% perfumes, Contains BENZYL SALICYLATE, HEXYL CINNAMAL, METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

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	REACH registration number: 01-2119475104-44-0000
Classification Eye Irrit. 2 - H319		

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Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized			5-10%
CAS number: —	EC number: 931-216-1	REACH registration number: 01-2119472309-33-XXXX	

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

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES		3-5%
CAS number: 68308-64-5	EC number: 269-662-8	
M factor (Acute) = 1		

Classification
Acute Tox. 4 - H302
Skin Corr. 1 - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400

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

butan-1-ol		1-3%
CAS number: 71-36-3	EC number: 200-751-6	

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
STOT SE 3 - H335, H336

Amines, coco alkyldimethyl		<1%
CAS number: 61788-93-0	EC number: 263-020-0	
M factor (Acute) = 1		

Classification
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400

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BENZYL SALICYLATE		0.016%
CAS number: 118-58-1	EC number: 204-262-9	

Classification
Eye Irrit. 2 - H319
Skin Sens. 1B - H317
Aquatic Chronic 3 - H412

HEXYL CINNAMAL		0.016%
CAS number: 101-86-0	EC number: 202-983-3	
M factor (Acute) = 1		

Classification
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 2 - H411

COUMARIN		0.0046%
CAS number: 91-64-5	EC number: 202-086-7	

Classification
Acute Tox. 4 - H302
Skin Sens. 1B - H317
Aquatic Chronic 3 - H412

d-LIMONENE			0.0046%
CAS number: 5989-27-5	EC number: 227-813-5	REACH registration number: 01-2119529223-47-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		

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

EUGENOL		0.0013%
CAS number: 97-53-0	EC number: 202-589-1	

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

CITRONELLOL			0.0013%
CAS number: 106-22-9	EC number: 203-375-0	REACH registration number: 01-2119453995-23-0000	

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1B - H317

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Linalool		0.0013%
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42-0000

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)		<1%
CAS number: 55965-84-9	EC number: 911-418-6	
M factor (Acute) = 100	M factor (Chronic) = 100	

Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 2 - H330
Skin Corr. 1C - H314
Skin Sens. 1A - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Diphenyl Ether		<1%
CAS number: 101-84-8	EC number: 202-981-2	

Classification
Eye Irrit. 2 - H319
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

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TURPENTINE, OIL		<1%
CAS number: 8006-64-2	EC number: 932-349-8	REACH registration number: 01-2119553060-53-XXXX

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

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

ISOPENTYL ACETATE		<1%
CAS number: 123-92-2	EC number: 204-662-3	

Classification
Flam. Liq. 3 - H226

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.

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

Eye contact: Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Spray/mists may cause respiratory tract irritation. This is unlikely to occur but symptoms similar to those of ingestion may develop.

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

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

Notes for the doctor	Treat symptomatically. If in doubt, get medical attention promptly.

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 conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions	Very toxic to aquatic life with long lasting effects. Dangerous for the environment if discharged into watercourses. Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid contact with skin and eyes.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions	Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed.
Storage class	Chemical storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³
Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

butan-1-ol

Short-term exposure limit (15-minute): WEL 50 ppm 154 mg/m³
Sk

Diphenyl Ether

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

Beta Pinene

Long-term exposure limit (8-hour TWA): WEL 140 mg/m³ 25 ppm
Short-term exposure limit: WEL 300 mg/m³ 50 ppm

Alpha Pinene

Long-term exposure limit (8-hour TWA): WEL 140 mg/m³ 25 ppm
Short-term exposure limit (15-minute): WEL 300 mg/m³ 50 ppm

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

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

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

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.

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

DNEL	Industry - Inhalation; : 101.2 mg/m³ Industry - Dermal; : 20 mg/kg/day Industry - Inhalation; : 67.5 mg/m³ Consumer - Inhalation; : 34 mg/m³ Consumer - Dermal; : 10 mg/kg/day Consumer - Oral; : 1.25 mg/kg/day
PNEC	- Fresh water; 1 mg/l - Sediment (Freshwater); 4 mg/kg - Sediment (Marinewater); 0.4 mg/kg - marine water; 0.1 mg/l Soil; 0.4 mg/kg

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

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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

HEXYL CINNAMAL (CAS: 101-86-0)

DNEL	Workers - Inhalation; Long term systemic effects: 0.078 mg/m³ Workers - Inhalation; Short term local effects: 6.28 mg/m³ Workers - Dermal; Long term systemic effects: 18.2 mg/kg bw/day Workers - Dermal; Long term local effects: 0.525 mg/cm² Consumer - Inhalation; Long term systemic effects: 0.019 mg/m³ Consumer - Inhalation; Short term local effects: 4.71 mg/m³ Consumer - Dermal; Long term systemic effects: 9.11 mg/kg bw/day Consumer - Dermal; Long term local effects: 0.0787 mg/cm² Consumer - Dermal; Short term local effects: 0.0787 mg/cm² Consumer - Oral; Long term systemic effects: 0.056 mg/kg bw/day
PNEC	Fresh water; 0.00126 mg/l marine water; 0.000126 mg/l STP; 10 mg/l Sediment (Freshwater); 3.2 mg/kg dwt Sediment (Marinewater); 0.064 mg/kg dwt Soil; 9.51 mg/kg dwt

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

TETRAHYDROLINALOOL (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)

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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.
Eye/face protection	Safety glasses with side-shields (EN 166).
Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Wear suitable protective clothing (EN14605)
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellow.
Odour	Perfume.
pH	pH (concentrated solution): 6.0-8.0
Initial boiling point and range	>100°C @ 760 mm Hg
Flash point	> 61°C Closed cup.
Relative density	1.04 @ 15°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	>200°C
Viscosity	280 cP @ °C

9.2. Other information

Other information	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

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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	The following materials may react with the product: Oxidising agents. Reducing agents.

10.4. Conditions to avoid

Conditions to avoid	Avoid freezing.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Nitrogen. Sulphur.

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.
ATE oral (mg/kg)	7,641.07

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	Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	May cause sensitisation or allergic reactions in sensitive individuals.

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

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STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Spray/mists may cause respiratory tract irritation. This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Irritating to skin.
Eye contact	Risk of serious damage to eyes. Symptoms following overexposure may include the following: Redness. Pain.
Acute and chronic health hazards	This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.
Route of exposure	Skin and/or eye contact Ingestion

Toxicological information on ingredients.

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
Species	Rat
ATE inhalation (vapours mg/l)	29.0

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

Acute toxicity - oral

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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, COCO ALKYLETHYDIMETHYL, ET SULPHATES

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

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

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

butan-1-ol

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

Amines, coco alkyldimethyl

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

Benzotriazole

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	560.0
Species	Rat
ATE oral (mg/kg)	560.0
Acute toxicity - inhalation	
ATE inhalation (dusts/mists mg/l)	1.5

hexahydro-hexamethyl-cyclopenta-benzopyran

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

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

2-phenylethanol

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	1,610.0
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,500.0

HEXYL CINNAMAL

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	
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

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

Sultrasoft HC2

1,6-Dihydroxy-2,5-dioxahexane

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	761.0
Species	Rat
ATE oral (mg/kg)	761.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0

COUMARIN

Acute toxicity - oral		
Acute toxicity oral (LD_{50} mg/kg)	500.0	
Species	Rat	
ATE oral (mg/kg)	500.0	
Carcinogenicity		
IARC carcinogenicity	IARC Group 3	Not classifiable as to its carcinogenicity to humans.

Benzyl acetate

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

Butylphenyl Methylpropional

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	1,390.0
ATE oral (mg/kg)	500.0

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.

Vanillin

Acute toxicity - oral

Sultrasoft HC2

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

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

TETRAHYDROLINALOOL

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	8,270.0
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
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rat

Heliotropine

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

Sultrasoft HC2

EUGENOL

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

METHYLUNDECANAL

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)	8,280.0
Species	Rabbit

MAGNESIUM NITRATE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,440.0
Species	Rat
ATE oral (mg/kg)	5,440.0

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Acute toxicity - oral	
ATE oral (mg/kg)	100.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	600.0
Species	Rat
ATE dermal (mg/kg)	600.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} dust/mist mg/l)	0.31
Species	Rat
ATE inhalation (dusts/mists mg/l)	0.31

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

Sultrasoft HC2

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. Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity	Very toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

Sorbitan monooleate, ethoxylated

Acute aquatic toxicity

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

2-(2-butoxyethoxy)ethanol

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, : >100 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: >50 mg/l, Algae

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, COCO ALKYLETHYDIMETHYL, ET SULPHATES

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

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)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.016 mg/l, Daphnia

Sultrasoft HC2

Acute toxicity - aquatic plants	EC10, 72 hours: 0.0025 mg/l, Selenastrum capricornutum EC_{50}, 72 hours: 0.02 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC_{20}, 0.5 hours: 5 mg/l, Activated sludge
Chronic aquatic toxicity	
M factor (Chronic)	1

Amines, coco alkyldimethyl

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

Benzotriazole

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: 39 mg/l, Fish
Acute toxicity - aquatic invertebrates	LC_{50}, 48 hours: 91 mg/l, Daphnia magna

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 CINNAMAL

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

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	

Sultrasoft HC2

M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.028 mg/l, Daphnia

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

Chronic aquatic toxicity

M factor (Chronic)	1

1,6-Dihydroxy-2,5-dioxahexane

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 10-100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 10-100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 1-10 mg/l, Algae

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

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

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Gamma-Undecalactone

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: 6.13 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 5.85 mg/l, Daphnia
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 5.94 mg/l, Algae
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	EC10, 21 days: 1.02 mg/l, Daphnia

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

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

EUGENOL

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

METHYLUNDECANAL

Acute aquatic toxicity

Sultrasoft HC2

$LE(C)_{50}$	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

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Acute aquatic toxicity	
$LE(C)_{50}$	0.001 < L(E)C50 ≤ 0.01
M factor (Acute)	100
Acute toxicity - fish	LC_{50}, 96 hours: 0.58 mg/l, Danio rerio (zebra fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1.02 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 0.379 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC_{20}, 3 hours: 0.97 mg/l, Activated sludge
Chronic aquatic toxicity	
M factor (Chronic)	100

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

Sultrasoft HC2

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

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

Biodegradation	- >70%: 56 days

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES

Biodegradation	- 71%: 28 days

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

Biodegradation	- >60%:

butan-1-ol

Biodegradation	- 98%: 19 days

hexahydro-hexamethyl-cyclopenta-benzopyran

Persistence and degradability	Not readily biodegradable.

HEXYL CINNAMAL

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

hexyl-2-hydroxybenzoate

Persistence and degradability	Readily biodegradable.
Biodegradation	- 91%: 28 days

1,6-Dihydroxy-2,5-dioxahexane

Biodegradation	- Degradation 71%: 28 days

COUMARIN

Persistence and degradability	Readily biodegradable.

d-LIMONENE

Sultrasoft HC2

Persistence and degradability Not readily biodegradable.

Vanillin

Persistence and degradability Readily biodegradable.

Gamma-Undecalactone

Persistence and degradability Readily biodegradable.

Biodegradation - 82%: 28 days

TETRAHYDROLINALOOL

Persistence and degradability Readily biodegradable.

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

Persistence and degradability Readily biodegradable.

Biodegradation - 65.5%: 28 days

METHYLUNDECANAL

Persistence and degradability Readily biodegradable.

Biodegradation Activated sludge - 62%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

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

Partition coefficient 1

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 CINNAMAL

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

hexyl-2-hydroxybenzoate

Partition coefficient log Pow: 5.5 (30C)

d-LIMONENE

Sultrasoft HC2

Partition coefficient log Kow: 2.78-5.03

Vanillin

Partition coefficient log Kow: 1.21

Gamma-Undecalactone

Partition coefficient log Pow: 3.6

TETRAHYDROLINALOOL

Partition coefficient log Pow: 3.3

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

Partition coefficient log Pow: 3.4

TURPENTINE, OIL

Partition coefficient log Kow: 4.49

12.4. Mobility in soil

Mobility The product is non-volatile.

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 EU 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

Sultrasoft HC2

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES, Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES, Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES, Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES, Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides)

14.3. Transport hazard class(es)

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

Transport labels

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

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

SECTION 15: Regulatory information

Sultrasoft HC2

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

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC_{50}: Lethal Concentration to 50 % of a test population. LD_{50}: 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	Revision is due to addition of UFI number
Revision date	10/06/2021
Revision	10
Supersedes date	30/03/2021
SDS number	7869/21468

Sultrasoft HC2

Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. 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. H330 Fatal if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. 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 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). 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.