



SAFETY DATA SHEET

Sultrasoft Deo P (N)

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200.

1. Identification

Product identifier

Product name Sultrasoft Deo P (N)

Product number 7877/21471

Recommended use of the chemical and restrictions on use

Application Detergent. Cleaning agent. Dry Cleaning

Details of the supplier of the safety data sheet

Supplier UNXChristeyns, LLC
707 Arlington Blvd
Greenville, NC 27858
Tel: +1 252 756 8616
info@unxchristeyns.com

Manufacturer Cole & Wilson Ltd
Rutland Street
Bradford
West Yorkshire
BD4 7EA
T: 01274 393286
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info@colewilson.co.uk

Emergency telephone number

Emergency telephone +1 800 252 3924

National emergency telephone number +1 866 928 0789 Toll Free, +1 215 207 0061 Geographic, +1 202 464 2554 (US and Canada); +52 55 5004 8763 (Mexico); +55 11 3197 5891 (Brazil); +56 2 2582 9336 (Chile);

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

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

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

Label elements

Hazard symbols



Signal word Danger

Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements

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.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

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

Other hazards

This product does not contain any substances classified as PBT or vPvB.

Hazards not otherwise classified (HNOC) Contains d-LIMONENE. May produce an allergic reaction.

3. Composition/information on ingredients

Mixtures

2-(2-butoxyethoxy) ethanol	15-30%
CAS number: 112-34-5	
Classification	
Eye Irrit. 2A - H319	
Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	5-10%
CAS number: —	
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	1-3%
CAS number: 68424-85-1	
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	
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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SODIUM HYDROXIDE <1% CAS number: 1310-73-2
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318
BENZYL SALICYLATE 0.048% CAS number: 118-58-1
Classification Eye Irrit. 2A - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412
a-hexylcinnamaldehyde 0.048% CAS number: 101-86-0 M factor (Acute) = 1
Classification Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411
Butylphenyl Methylpropional 0.013% CAS number: 80-54-6
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Repr. 1B - H360 Aquatic Chronic 3 - H412
d-LIMONENE 0.013% CAS number: 5989-27-5 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 0.013% CAS number: 127-51-5
Classification Aquatic Chronic 2 - H411

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Benzyl acetate CAS number: 140-11-4	<1%
Classification Aquatic Chronic 3 - H412	
COUMARIN CAS number: 91-64-5	0.013%
Classification Acute Tox. 4 - H302 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	
Linalool CAS number: 78-70-6	0.0039%
Classification Skin Sens. 1B - H317	
EUGENOL CAS number: 97-53-0	0.0039%
Classification Eye Irrit. 2A - H319 Skin Sens. 1B - H317	
CITRONELLOL CAS number: 106-22-9	0.0039%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1B - H317	
Diphenyl Ether CAS number: 101-84-8 M factor (Acute) = 1	<1%
Classification Eye Irrit. 2A - H319 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412	
POTASSIUM HYDROXIDE CAS number: 1310-58-3	<1%
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

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TURPENTINE, OIL <1% CAS number: 8006-64-2	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
Beta Pinene <1% CAS number: 127-91-3	
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 M factor (Acute) = 1 M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
ISOPENTYL ACETATE <1% CAS number: 123-92-2	
Classification Flam. Liq. 3 - H226	

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

4. First-aid measures

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.

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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.
Most important symptoms and effects, both acute and delayed	
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Spray/mists may cause respiratory tract irritation. This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes skin irritation. May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Severe irritation, burning and tearing.
Indication of immediate medical attention and special treatment needed	
Notes for the doctor	Treat symptomatically. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
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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 vapors.
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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.
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Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

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

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.
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Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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7. Handling and storage

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 minimize 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 and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions

Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed.

Storage class

Chemical storage.

Specific end uses(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

2-(2-butoxyethoxy) ethanol

Long-term exposure limit (8-hour TWA): ACGIH 10 ppm 67.5 mg/m³ inhalable fraction and vapor

SODIUM HYDROXIDE

Ceiling exposure limit: ACGIH 2 mg/m³

Long-term exposure limit (8-hour TWA): OSHA 2 mg/m³

Benzyl acetate

Long-term exposure limit (8-hour TWA): ACGIH 10 ppm 61 mg/m³

A4

Diphenyl Ether

Long-term exposure limit (8-hour TWA): ACGIH 1 ppm vapor

Short-term exposure limit (15-minute): ACGIH 2 ppm vapor

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

POTASSIUM HYDROXIDE

Ceiling exposure limit: ACGIH 2 mg/m³

TURPENTINE, OIL

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 560 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m³

A4, DSens

Beta Pinene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm

A4, DSens

Alpha Pinene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m³

A4, DSens

ISOPENTYL ACETATE

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 525 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 266 mg/m³

Short-term exposure limit (15-minute): ACGIH 100 ppm 532 mg/m³

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

A4 = Not Classifiable as a Human Carcinogen.

DSens = Dermal sensitizer.

Exposure controls

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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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Light brown.
Odor	Perfume.
pH	pH (concentrated solution): 6.0-8.0
Initial boiling point and range	>100°C @ 760 mm Hg
Flash point	> 61°C Closed cup.
Relative density	1.02-1.08 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	>200°C
Viscosity	280 cP @ 20°C
Other information	Not determined.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Avoid contact with the following materials: Oxidizing agents. Reducing agents.
Materials to avoid	Strong oxidizing agents. Strong reducing agents.
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 vapors.

11. Toxicological information

Information on toxicological effects

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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)	33,125.0
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 sensitization	
Respiratory sensitization	Based on available data the classification criteria are not met.
Skin sensitization	
Skin sensitization	May cause sensitization or allergic reactions in sensitive individuals.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Spray/mists may cause respiratory tract irritation. This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
Skin Contact	The product contains a sensitizing substance. Irritating to skin. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Risk of serious damage to eyes. Symptoms following overexposure may include the following: Redness. Pain.
Acute and chronic health hazards	This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.
Route of exposure	Skin and/or eye contact Ingestion
Toxicological information on ingredients.	

Sultrasoft Deo P (N)

Sorbitan monooleate, ethoxylated

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 2,001.0

2-(2-butoxyethoxy) ethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,410.0

Species Mouse

ATE oral (mg/kg) 2,410.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,764.0

Species Rabbit

ATE dermal (mg/kg) 2,764.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀
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

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

Species Rat

ATE oral (mg/kg) 2,001.0

Acute toxicity - dermal

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

Species Rat

ATE dermal (mg/kg) 2,001.0

Reproductive toxicity

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

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

Acute toxicity - oral

ATE oral (mg/kg) 500.0

hexahydro-hexamethyl-cyclopenta-benzopyran

Acute toxicity - oral

Sultrasoft Deo P (N)

Acute toxicity oral (LD₅₀
mg/kg)

4,640.0

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

6,500.0

Species

Rabbit

SODIUM HYDROXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

501.0

Species

Rabbit

ATE oral (mg/kg)

501.0

hexyl-2-hydroxybenzoate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

5,001.0

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

5,001.0

Species

Rabbit

2-phenylethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

1,790.0

Species

Rat

ATE oral (mg/kg)

1,790.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

2,001.0

Species

Rabbit

4-tertiary-butyl-cyclohexyl-acetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

5,000.0

Species

Rat

ATE oral (mg/kg)

5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

5,001.0

Sultrasoft Deo P (N)

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

BENZYL SALICYLATE

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,227.0
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Species	Rat
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Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	14,150.0
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Species	Rabbit
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a-hexylcinnamaldehyde

Acute toxicity - oral

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

Acute toxicity dermal (LD ₅₀ mg/kg)	3,001.0
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Species	Rabbit
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ATE dermal (mg/kg)	3,001.0
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1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-naphthyl)Ethan-1-one

Acute toxicity - oral

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

Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0
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Species	Rabbit
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ATE dermal (mg/kg)	5,001.0
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Butylphenyl Methylpropional

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	1,390.0
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Species	Rat
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ATE oral (mg/kg)	500.0
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Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	5,001.0
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Sultrasoft Deo P (N)

Species Rabbit

d-LIMONENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,400.0

Species Rat

Acute toxicity - dermal

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

Species Rabbit

Carcinogenicity

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

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,600.0

Species Rat

ATE oral (mg/kg) 3,600.0

Acute toxicity - dermal

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

Species Rabbit

Alpha-IsoMethyl Ionone

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

Benzyl acetate

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 2,490.0

Carcinogenicity

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

COUMARIN

Sultrasoft Deo P (N)

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 520.0

Species Rat

ATE oral (mg/kg) 520.0

Carcinogenicity

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

1,2-benzisothiazolin-3-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 (LD₅₀
mg/kg) 2,790.0

Species Rat

Acute toxicity - dermal

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

Species Rabbit

METHYLUNDECANAL

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

EUGENOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,130.0

Species Guinea pig

ATE oral (mg/kg) 2,130.0

Carcinogenicity

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

CITRONELLOL

Acute toxicity - oral

Sultrasoft Deo P (N)

Acute toxicity oral (LD₅₀
mg/kg)

3,450.0

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

2,650.0

Species

Rabbit

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

5,001.0

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

5,001.0

Species

Rabbit

BETA-IONONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

4,590.0

Species

Rat

Vanillin

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

3,500.0

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

5,010.0

Species

Rabbit

ATE dermal (mg/kg)

5,010.0

a,a-Dimethylphenethyl Acetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

3,300.0

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

3,001.0

Species

Rabbit

Sultrasoft Deo P (N)

Gamma-Undecalactone

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

ATE dermal (mg/kg) 2,001.0

Tetrahydro Linalool

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

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

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rat

2-Tertiary-Butylcyclohexylacetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 4,600.0

Species Rat

ATE oral (mg/kg) 4,600.0

Acute toxicity - dermal

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

Species Rabbit

ATE dermal (mg/kg) 5,001.0

Specific target organ toxicity - repeated exposure

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

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Heliotropine

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rat

ATE dermal (mg/kg) 5,001.0

Isobutenyl methyltetrahydropyran

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

Diphenyl Ether

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

POTASSIUM HYDROXIDE

Acute toxicity - oral

ATE oral (mg/kg) 500.0

TURPENTINE, OIL

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀
vapours mg/l) 13.7

ATE inhalation (vapours mg/l) 13.7

Sultrasoft Deo P (N)

Alpha Pinene

Acute toxicity - oral

ATE oral (mg/kg) 500.0

12. Ecological information

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

Toxicity Very toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

Sorbitan monooleate, ethoxylated

Acute aquatic toxicity

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

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

2-(2-butoxyethoxy) ethanol

Acute aquatic toxicity

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

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

Acute toxicity - aquatic plants EC₅₀, 96 hours: > 100 mg/l, Scenedesmus subspicatus
EC₅₀, 96 hours: > 100 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₁₀, 0.5 hour: > 1995 mg/l, Activated sludge
EC₅₀, : 255 mg/l, Activated sludge

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

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1.91 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2.23 mg/l, Daphnia

Acute toxicity - aquatic plants EC₅₀, 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 LC₅₀, 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 EC₅₀, 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
EC₅₀, 72 hours: 0.02 mg/l, Selenastrum capricornutum

Acute toxicity - microorganisms EC₂₀, 0.5 hours: 5 mg/l, Activated sludge

Sultrasoft Deo P (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 EC₅₀, 48 hours: 0.9 mg/l, Daphnia

Acute toxicity - aquatic plants IC₈₀, 72 hours: >0.854 mg/l, Algae

Chronic aquatic toxicity

M factor (Chronic) 1

SODIUM HYDROXIDE

Acute aquatic toxicity

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

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

hexyl-2-hydroxybenzoate

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

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

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

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

Chronic aquatic toxicity

M factor (Chronic) 1

a-hexylcinnamaldehyde

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

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

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

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

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

Acute aquatic toxicity

Sultrasoft Deo P (N)

Acute toxicity - fish	LC ₅₀ , 96 hours: 1.3 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1.4 mg/l, Daphnia
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 2.6 mg/l, Algae
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.028 mg/l, Daphnia

d-LIMONENE

Acute aquatic toxicity	
LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.7 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours: 0.8 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.4 mg/l, Daphnia magna EC ₅₀ , 48 hours: 69.6 mg/l, Daphnia
Acute toxicity - aquatic plants	NOEC, 96 hours: 4 mg/l, ErC ₅₀ , 72 hours: 8 mg/l, 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-benzisothiazolin-3-one

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

METHYLUNDECANAL

Acute aquatic toxicity	
LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	NOEC, 96 hours: 0.11 mg/l, 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

Sultrasoft Deo P (N)

Acute toxicity - aquatic plants NOEC, 72 hours: 0.089 mg/l, Pseudokirchneriella subcapitata
EC₅₀, 72 hours: 0.18 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

M factor (Chronic) 1

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

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 EC₅₀, 24 hours: 180 mg/l, Daphnia magna

Gamma-Undecalactone

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 6.13 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 5.85 mg/l, Daphnia

Acute toxicity - aquatic plants EC₅₀, 72 hours: 5.94 mg/l, Algae

Chronic aquatic toxicity

Sultrasoft Deo P (N)

Chronic toxicity - aquatic invertebrates

EC10, 21 days: 1.02 mg/l, Daphnia

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

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: estimated >1 - 3 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 4.19 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, 96 hours: 3.8 mg/l, Pseudokirchneriella subcapitata

Diphenyl Ether

Acute aquatic toxicity

LE(C)₅₀

0.1 < L(E)C₅₀ ≤ 1

M factor (Acute)

1

POTASSIUM HYDROXIDE

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 44 (24h) mg/l, Fish

TURPENTINE, OIL

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 29.0 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 8.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants

NOEC, : 10 mg/l, Freshwater algae
EC₅₀, : 17.1 mg/l, Freshwater algae

Acute toxicity - microorganisms

EC₅₀, : 736 mg/l,

Alpha Pinene

Acute aquatic toxicity

LE(C)₅₀

0.1 < L(E)C₅₀ ≤ 1

M factor (Acute)

1

Chronic aquatic toxicity

M factor (Chronic)

1

Persistence and degradability

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

Sultrasoft Deo P (N)

Biodegradation	OECD 302B - Degradation 100%: 28 days
	Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized
Biodegradation	- >70%: 56 days
	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides
Biodegradation	- >60%:
	hexahydro-hexamethyl-cyclopenta-benzopyran
Persistence and degradability	Not readily biodegradable.
	hexyl-2-hydroxybenzoate
Persistence and degradability	Readily biodegradable.
Biodegradation	OECD 301F - 43%: 28 days Directive 67/548/EEC Annex V, C.4.D - Degradation 20%:
	4-tertiary-butyl-cyclohexyl-acetate
Persistence and degradability	Readily biodegradable.
Biodegradation	- Degradation 75%:
	a-hexylcinnamaldehyde
Persistence and degradability	Readily biodegradable.
Biodegradation	- 97%: 28 days
	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%:
	1,2-benzisothiazolin-3-one
Biodegradation	OECD 302B, STP - 90%:
	METHYLUNDECANAL
Persistence and degradability	Readily biodegradable.
Biodegradation	Activated sludge - 62%: 28 days

Sultrasoft Deo P (N)

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

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Ecological information on ingredients.

2-(2-butoxyethoxy) ethanol

Bio-Accumulative Potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient log Pow: 1.00

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

Partition coefficient log Kow: 2.88

hexahydro-hexamethyl-cyclopenta-benzopyran

Partition coefficient log Pow: 5.3

hexyl-2-hydroxybenzoate

Partition coefficient log Pow: 5.5 (30C)

α-hexylcinnamaldehyde

Partition coefficient log Pow: 5.3

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

Partition coefficient log Pow: 5.65

d-LIMONENE

Partition coefficient log Kow: 2.78-5.03

Sultrasoft Deo P (N)

ETHANEDIOL

Partition coefficient log Kow: -1.36

1,2-benzisothiazolin-3-one

Bio-Accumulative 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

Bio-Accumulative Potential BCF: ~ 156, Oncorhynchus mykiss (Rainbow trout)

TURPENTINE, OIL

Partition coefficient log Kow: 4.49

Mobility in soil

Mobility The product is non-volatile.

Ecological information on ingredients.

2-(2-butoxyethoxy) ethanol

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

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

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



14. Transport information

UN Number

UN No. (TDG) 3082

UN No. (IMDG) 3082

Sultrasoft Deo P (N)

UN No. (ICAO)	3082
UN proper shipping name	
Proper shipping name (TDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2-benzisothiazol-3(2H)-one)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2-benzisothiazol-3(2H)-one)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2-benzisothiazol-3(2H)-one)
Transport hazard class(es)	
TDG class	9
TDG label(s)	9
IMDG Class	9
ICAO class/division	9
Transport labels	
	
Packing group	
TDG Packing Group	III
IMDG packing group	III
ICAO packing group	III
Environmental hazards	
Environmentally Hazardous Substance	
	
Special precautions for user	
EmS	F-A, S-F

15. Regulatory information

Danish product registration number

Danish national regulations

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

SARA 313 Emission Reporting

The following ingredients are listed:

Sultrasoft Deo P (N)

2-(2-butoxyethoxy) ethanol

1.0 %

CAA Accidental Release Prevention

Not listed.

FDA - Essential Chemical

Not listed.

FDA - Precursor Chemical

Not listed.

SARA (311/312) Hazard Categories

None

OSHA Highly Hazardous Chemicals

Not listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed:

2-(2-butoxyethoxy) ethanol

California Air Toxics "Hot Spots" (A-II)

Not listed.

California Directors List of Hazardous Substances

Not listed.

Massachusetts "Right To Know" List

Not listed.

Rhode Island "Right To Know" List

Not listed.

Minnesota "Right To Know" List

Not listed.

New Jersey "Right To Know" List

Not listed.

Pennsylvania "Right To Know" List

Not listed.

Inventories

US - TSCA

The following ingredients are listed:

Sorbitan monooleate, ethoxylated

2-(2-butoxyethoxy) ethanol

Butylphenyl Methylpropional

d-LIMONENE

hexyl-2-hydroxybenzoate

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

hexahydro-hexamethyl-cyclopenta-benzopyran

Sultrasoft Deo P (N)

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

DIHYDRO PENTAMETHYLINDANONONE

Alpha-IsoMethyl Ionone

Gamma-Undecalactone

Tetrahydro Linalool

2-Tertiary-Butylcyclohexylacetate

4-tertiary-butyl-cyclohexyl-acetate

BENZYL SALICYLATE

a-hexylcinnamaldehyde

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

US - TSCA 12(b) Export Notification

Not listed.

16. Other information

Abbreviations and acronyms used in the safety data sheet TDG: The transport of dangerous goods act

IATA: International air transport association.
 ICAO: Technical instructions for the safe transport of dangerous goods by air.
 IMDG: International maritime dangerous goods.
 CAS: Chemical abstracts service.
 ATE: Acute toxicity estimate.
 LC₅₀: Lethal concentration to 50 % of a test population.
 LD₅₀: Lethal dose to 50% of a test population (median lethal dose).
 EC₅₀: 50% of maximal effective concentration.
 PBT: Persistent, bioaccumulative and toxic substance.
 vPvB: Very persistent and very bioaccumulative.

Revision comments

Revised classification.

Revision date

5/24/2023

Revision

14

Supersedes date

10/27/2022

SDS No.

7877/21471

Hazard statements in full

H226 Flammable liquid and vapor.
 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.
 H360 May damage fertility or the unborn child.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.