



SAFETY DATA SHEET
Sultrasoft Deo HC

1. Identification

Product identifier

Product name Sultrasoft Deo HC
Product number 7878/21472

Recommended use of the chemical and restrictions on use

Application Detergent.

Details of the supplier of the safety data sheet

Supplier Cole & Wilson, LLC
100 Laurel Street, Ste 120
East Bridgewater, MA 02375
Tel: +1 281 231 2805
Fax: + 1 617 687 5888
info.usa@christeyns.com

Manufacturer Cole & Wilson Ltd
Nabbs Lane Chemical Works
Nabbs Lane
Slaithwaite
Huddersfield
HD7 5AT
Tel: 01484 842353
info@coleandwilson.com

Emergency telephone number

Emergency telephone (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) INRS 01 45 42 59 59
(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 Antiveneni, Ospedale Niguarda Milano: +39 02 6610 1029

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation - EUH208
Environmental hazards Aquatic Chronic 3 - H412

Label elements

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Pictogram



Signal word

Danger

Hazard statements

EUH208 Contains d-LIMONENE. May produce an allergic reaction.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

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

Isotridecanol,ethoxylated, QUATERNARY AMMONIUM COMPOUNDS, COCO
 ALKYLETHYDIMETHYL, ET SULPHATES

3. Composition/information on ingredients

Mixtures

Isotridecanol,ethoxylated CAS number: 69011-36-5	5-15%
Classification Eye Irrit. 2A - H319 Aquatic Chronic 3 - H412	
2-(2-butoxyethoxy) ethanol CAS number: 112-34-5	5-15%
Classification Eye Irrit. 2A - H319	
QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES CAS number: 68308-64-5 M factor (Acute) = 1	5-15%
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	

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Trifatty acyloxyethyl-hydroxyethylmethylammoniummetho sulphate 5-15%
CAS number: 852337-30-5
Classification Skin Irrit. 2 - H315 Eye Irrit. 2A - H319
Benzyl(dodecyl)dimethylammonium chloride <1%
CAS number: 139-07-1 M factor (Acute) = 10
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400
Benzyl(tetradecyl)dimethylammonium chloride <1%
CAS number: 139-08-2 M factor (Acute) = 10
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400
d-LIMONENE <1%
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 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

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

4. First-aid measures

Description of first aid measures

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

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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	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

Most important symptoms and effects, both acute and delayed

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Skin irritation. The product contains a sensitizing substance.
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.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

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

Advice for firefighters

Protective actions during firefighting	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.

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.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. Contain and control the spillage on site.

Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.
Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage

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Precautions for safe handling

Usage precautions Avoid spilling. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapors, spray or mist. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Avoid freezing. 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
ACGIH = American Conference of Governmental Industrial Hygienists.

Exposure controls

Protective equipment



Appropriate engineering controls No specific ventilation requirements.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC).

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Do not eat, drink or smoke when using this product.

Respiratory protection No specific recommendations. 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	Yellow.
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	1.02-1.03 @ 15°C
Solubility(ies)	Soluble in water.

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Auto-ignition temperature	>200°C
Viscosity	280 cP @ °C
Other information	Not determined.

10. Stability and reactivity

Reactivity	The following materials may react with the product: Acids. Oxidizing agents. Reducing agents.
Stability	No particular stability concerns.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Avoid freezing.
Materials to avoid	Oxidizing agents. Reducing agents. Acids.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Nitrogen.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 3,016.03

Acute toxicity - dermal

ATE dermal (mg/kg) 36,666.67

Inhalation	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	Irritating to skin. The product contains a sensitizing substance.
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.
Acute and chronic health hazards	Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Trifatty acyloxyethyl-hydroxyethylmethylammoniummetho sulphate

Acute toxicity - oral

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

Species Rat

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Benzyl(dodecyl)dimethylammonium chloride

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

12. Ecological Information

Ecotoxicity Low acute toxicity to aquatic organisms.

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

2-(2-butoxyethoxy) ethanol

Acute aquatic toxicity

Acute toxicity - 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

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Benzyl(dodecyl)dimethylammonium chloride

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Persistence and degradability

Persistence and degradability 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.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Mobility in soil

Mobility The product is non-volatile.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

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Disposal methods Dispose of waste product or used containers in accordance with local regulations

EURAL Code

14. Transport information

UN Number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

Transport labels

No transport warning sign required.

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

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

15. Regulatory information

16. Other information

Revision comments Revision is in accordance with Commission Regulation (EC) No 1272/2008

Revision date 3/24/2016

Revision 3

Supersedes date 4/28/2015

SDS No. 7878/21472

Hazard statements in full EUH208 Contains d-LIMONENE. May produce an allergic reaction.
 H226 Flammable liquid and vapor.
 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.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.