



SAFETY DATA SHEET

Sultrasoft Deo P

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

1.1. Product identifier

Product name Sultrasoft Deo P
Product number 7877/21471

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

1.4. Emergency telephone number

Emergency telephone INRS 01 45 42 59 59

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation (Skin Sens.)
Environmental hazards Aquatic Acute 1 - H400

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H400 Very toxic to aquatic life.
 EUH208 Contains d-LIMONENE. May produce an allergic reaction.

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Precautionary statements	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
Contains	QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES, Benzyl(dodecyl)dimethylammonium chloride
Detergent labelling	15 - < 30% cationic surfactants, < 5% perfumes, Contains LIMONENE, Butylphenyl Methylpropional, HEXYL CINNAMAL, Hydroxyisohexyl-3-Cyclohexene Carboxyaldehyde
Supplementary precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P330 Rinse mouth.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES	15-30%
CAS number: 68308-64-5 EC number: 269-662-8 M factor (Acute) = 1	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	
2-(2-butoxyethoxy) ethanol	5-15%
CAS number: 112-34-5 EC number: 203-961-6 REACH registration number: 01-2119475104-44-0000	
Classification Eye Irrit. 2 - H319	
Trifatty acyloxyethyl-hydroxyethylmethylammoniummetho sulphate	5-15%
CAS number: 852337-30-5 EC number: 639-725-8	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	

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Benzyl(dodecyl)dimethylammonium chloride			1-5%
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	EC number: 227-813-5	REACH registration number: 01-2119529223-47-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226		R10 R43 Xi;R38 N;R50/53	
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 R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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4.2. 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	Harmful if swallowed. May cause stomach pain or vomiting.
Skin contact	Skin irritation.
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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

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

5.3. 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.

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.
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6.2. Environmental precautions

Environmental precautions	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Avoid contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Avoid freezing. 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

WEL = Workplace Exposure Limit

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

DNEL	Consumer - Dermal; Long term systemic effects: 10 mg/kg/day Workers - Dermal; Long term systemic effects: 20 mg/kg/day Consumer - Inhalation; Short term local effects: 50.6 mg/m ³ Consumer - Inhalation; Long term local effects: 34 mg/m ³ Workers - Inhalation; Long term local effects: 67.3 mg/m ³ Consumer - Inhalation; Long term systemic effects: 34 mg/m ³ Workers - Inhalation; Long term systemic effects: 67.5 mg/m ³
PNEC	- Fresh water; 1 mg/l - Sediment (Freshwater); 4 mg/kg - Intermittent release; 3.9 mg/l - Sediment (Marinewater); 0.4 mg/kg - Marine water; 0.1 mg/l - STP; 200 mg/l

8.2. 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 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

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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 CC (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.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Acids. Oxidising agents. Reducing agents.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid freezing.
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10.5. Incompatible materials

Materials to avoid	Oxidising agents. Reducing agents. Acids.
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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.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	1,093.84227307
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Acute toxicity - dermal

ATE dermal (mg/kg)	34,108.52713178
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Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
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Ingestion	Harmful if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
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Skin contact	Irritating to skin. The product contains a sensitising substance.
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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

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

Trifatty acyloxyethyl-hydroxyethylmethylammoniummetho sulphate

Acute toxicity - oral

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

Species Rat

Benzyl(dodecyl)dimethylammonium chloride

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100

SECTION 12: Ecological Information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

Ecological information on ingredients.

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYLETHYDIMETHYL, ET SULPHATES

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Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

2-(2-butoxyethoxy) ethanol

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*

Benzyl(dodecyl)dimethylammonium chloride

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

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.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

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.

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

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. containing benzalkonium chloride and quaternary ammonium compounds

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Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. containing benzalkonium chloride and quaternary ammonium compounds

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. containing benzalkonium chloride and quaternary ammonium compounds

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S. containing benzalkonium chloride and quaternary ammonium compounds

14.3. Transport hazard class(es)

ADR/RID class 9

Transport labels



14.4. Packing group

ADR/RID packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

EU legislation 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.

SECTION 16: Other information

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

Revision date 28/04/2015

Revision 2

Supersedes date 10/09/2014

SDS number 7877/21471

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Hazard statements in full

EUH208 Contains d-LIMONENE. May produce an allergic reaction.

H226 Flammable liquid and vapour.

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.