



## SAFETY DATA SHEET

### Sultrex P

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

##### 1.1. Product identifier

Product name	Sultrex P
Product number	7865/21497
UFI	UFI: AJT0-87EK-K00P-JGJW

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

Identified uses	Detergent. Cleaning agent. Dry Cleaning
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##### 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 Rutland Street Bradford West Yorkshire BD4 7EA T:01274 393286 F: 01274 309143 info@colewilson.co.uk

##### 1.4. Emergency telephone number

Emergency telephone	Christeyns NV: Tel: +32 9 223 38 71 (Mon-Fri 8am-4pm)
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National emergency telephone number	<p>NCEC Tel: +44 1235 239670 (UK and Europe)          (DE) Giftnotruf Berlin +49 30 19240 (24h erreichbar)          (DE) Giftnotruf Berlin +49 (0)30 30686 790          (CH) STIZ, tel. 145          (CH) Centre suisse d'information toxicologique: +41.(0)1.251.51.51          (AT) Vergiftungsinformationszentrale: +43 1 40 400 2222          worldwide: <a href="http://www.who.int/ipcs/poisons/centre/directory/en">http://www.who.int/ipcs/poisons/centre/directory/en</a>          (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          National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)          +45 8988 2286 (Denmark)          +358 9 7479 0199 (Finland)          +47 2103 4452 (Norway)          +46 8 566 42573          +46 112 Begär Giftinformation (Sweden)</p>
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Not Classified

#### 2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. 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.
Contains	SODIUM DI-OCTYL SULPHOSUCCINATE , Sulfonic acids, C14-17-sec-alkane, sodium salts
Detergent labelling	15 - < 30% anionic surfactants, 5 - < 15% aliphatic hydrocarbons
Supplementary precautionary statements	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.

#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>SODIUM DI-OCTYL SULPHOSUCCINATE</b> CAS number: 577-11-7                      EC number: 209-406-4	10-15%
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
<b>2-(2-butoxyethoxy)ethanol</b> CAS number: 112-34-5                      EC number: 203-961-6	10-15%
<b>Classification</b> Eye Irrit. 2 - H319	
<b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> CAS number: 97489-15-1                      EC number: 307-055-2	5-10%
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
<b>MONOPROPYLENE GLYCOL</b> CAS number: 57-55-6                      EC number: 200-338-0	3-5%
<b>Classification</b> Not Classified	
<b>SODIUM HYDROXIDE</b> CAS number: 1310-73-2                      EC number: 215-185-5	<1%
<b>Classification</b> Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if symptoms are severe or persist. Remove affected person from source of contamination.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.

### 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.
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.
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## 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.
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### 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. 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. Firefighter's clothing will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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

Environmental precautions	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 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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### 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.
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### 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

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.
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### 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/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m<sup>3</sup>

##### MONOPROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m<sup>3</sup> total vapour and particulates

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> particulate

##### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

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

DNEL	Workers - Inhalation; Long term systemic effects: 67.5 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 83 mg/kg/day
	Workers - Inhalation; Short term local effects: 101.2 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 67.5 mg/m <sup>3</sup>
	Consumer - Inhalation; Short term local effects: 60.7 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term systemic effects: 40.5 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 50 mg/kg/day
	Consumer - Oral; Long term systemic effects: 5 mg/kg/day
	Consumer - Inhalation; Long term local effects: 40.5 mg/m <sup>3</sup>
	PNEC
- marine water; 0.11 mg/l	
- Intermittent release; 11 mg/l	
- Sediment (Freshwater); 4.4 mg/kg	
- Sediment (Marinewater); 0.44 mg/kg	
- STP; 200 mg/l	
- Soil; 0.32 mg/kg	

##### Sulfonic acids, C14-17-sec-alkane, sodium salts (CAS: 97489-15-1)

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DNEL	<p>Workers - Dermal; Short term local effects: 2.8 mg/cm<sup>2</sup></p> <p>Workers - Dermal; Long term systemic effects: 5 mg/kg bw/day</p> <p>Workers - Inhalation; Long term systemic effects: 35 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term local effects: 2.8 mg/cm<sup>2</sup></p> <p>General population - Dermal; Short term local effects: 2.8 mg/cm<sup>2</sup></p> <p>General population - Dermal; Long term systemic effects: 3.57 mg/kg bw/day</p> <p>General population - Inhalation; Long term systemic effects: 12.4 mg/m<sup>3</sup></p> <p>General population - Oral; Long term systemic effects: 7.1 mg/kg bw/day</p> <p>General population - Dermal; Long term local effects: 2.8 mg/cm<sup>2</sup></p>
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PNEC	<p>Fresh water; 0.04 mg/l</p> <p>Intermittent release; 0.06 mg/l</p> <p>Sediment (Freshwater); 9.4 mg/kg sediment dw</p> <p>Sediment (Marinewater); 0.94 mg/kg sediment dw</p> <p>Soil; 9.4 mg/kg soil dw</p> <p>STP; 600 mg/l</p> <p>Salt water; 0.004 mg/l</p>
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### MONOPROPYLENE GLYCOL (CAS: 57-55-6)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 168 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Long term local effects: 10 mg/m<sup>3</sup></p> <p>General population - Inhalation; Long term systemic effects: 50 mg/m<sup>3</sup></p> <p>General population - Inhalation; Long term local effects: 10 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 213 mg/m<sup>3</sup></p> <p>General population - Oral; Long term systemic effects: 85 mg/m<sup>3</sup></p>
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PNEC	<p>- Fresh water; 260 mg/l</p> <p>- marine water; 26 mg/l</p> <p>- Sediment (Freshwater); 572 mg/l</p> <p>- Sediment (Marinewater); 57.2 mg/l</p> <p>- Soil; 50 mg/kg</p> <p>- STP; 20000 mg/l</p> <p>Intermittent release; 183 mg/l</p>
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### SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	<p>Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup></p> <p>Workers - Dermal; Short term local effects: 2 mg/kg/day</p> <p>Workers - Inhalation; Short term local effects: 2 mg/m<sup>3</sup></p>
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## 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.

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**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	Characteristic.
pH	pH (concentrated solution): 6.5-7.5
Initial boiling point and range	>100°C @ 760 mm Hg
Flash point	> 61°C Closed cup.
Relative density	0.99-1.05 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	>200°C
Viscosity	90 cP @ 20°C

#### 9.2. Other information

Other information Not determined.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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 No potentially hazardous reactions known.

#### 10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Oxidising agents. Reducing agents.

#### 10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong reducing agents.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. 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<sub>50</sub>) Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

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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	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	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.

#### 2-(2-butoxyethoxy)ethanol

##### Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> mg/kg)	2,410.0
Species	Mouse
ATE oral (mg/kg)	2,410.0



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### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,764.0

Species Rabbit

ATE dermal (mg/kg) 2,764.0

### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 29.0

Species Rat

ATE inhalation (vapours mg/l) 29.0

### Sulfonic acids, C14-17-sec-alkane, sodium salts

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,250.0

Species Rat

ATE oral (mg/kg) 1,250.0

### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

Species Mouse

### Sorbitan monooleate, ethoxylated

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,001.0

Species Rat

ATE oral (mg/kg) 2,001.0

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### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 20,000.0

Species Rat

ATE oral (mg/kg) 20,000.0

### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 20,800.0

Species Rabbit

ATE dermal (mg/kg) 20,800.0

### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l) 317.042

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Species	Rat
ATE inhalation (dusts/mists mg/l)	317.042

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#### Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> mg/kg)	501.0
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Species	Rabbit
ATE oral (mg/kg)	501.0

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### Ecological information on ingredients.

#### 2-(2-butoxyethoxy)ethanol

##### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 2700 mg/l, Fish LC <sub>50</sub> , 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ECr50, 96 hours: > 100 mg/l, Scenedesmus subspicatus EyC50, 96 hours: > 100 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC10, 0.5 hour: > 1995 mg/l, Activated sludge EC <sub>50</sub> , : 255 mg/l, Activated sludge

#### Sulfonic acids, C14-17-sec-alkane, sodium salts

##### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 1-10 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 9.81 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 72 hours: >61 mg/l, Desmodesmus subspicatus
Acute toxicity - microorganisms	NOEC, : 600 mg/l, PSEUDOMONAS PUTIDA
Acute toxicity - terrestrial	NOEC, 56 days: 470 mg/kg, Eisenia Fetida (Earthworm)

##### Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 28 days: 0.85 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 22 days: 0.36 mg/l, Daphnia magna

#### Sorbitan monooleate, ethoxylated

##### Acute aquatic toxicity

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Acute toxicity - fish	LC <sub>50</sub> , 96 hours: >100 mg/kg, Carassius auratus (Goldfish)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: >100 mg/kg, Daphnia magna

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#### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 51600 mg/l, Oncorhynchus mykiss (Rainbow trout) LC <sub>50</sub> , 96 hours: 51400 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 96 hours: 19000 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	NOEC, 18 hours: >20000 mg/l, PSEUDOMONAS PUTIDA
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 7 days: 13020 mg/l, Ceriodaphnia Dubia (Water flea)

### SODIUM HYDROXIDE

#### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 35-189 mg/l, Fish LC <sub>50</sub> , 96 hours: 45.5 mg/l, Oncorhynchus mykiss (Rainbow trout) LC <sub>50</sub> , 96 hours: 125 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 40-240 mg/l, Daphnia magna

#### 12.2. Persistence and degradability

Persistence and degradability	The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).
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#### Ecological information on ingredients.

#### Sorbitan oleate

Persistence and degradability	The product is biodegradable.
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#### 2-(2-butoxyethoxy)ethanol

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

#### Sulfonic acids, C14-17-sec-alkane, sodium salts

Biodegradation	Activated sludge, OECD 301E - Degradation 89%: 28 days Activated sludge, OECD 303A - Degradation 96.2%: 34 days Activated sludge, OECD 301B - Degradation 78%: 28 days
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#### Sorbitan monooleate, ethoxylated

Biodegradation	The product is biodegradable. - 60%: > 28 days
Chemical oxygen demand	2200 mg O <sub>2</sub> /g

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**Biodegradation** OECD 301F - Degradation >81%: 28 days  
- Degradation 96%: 64 days

**Biological oxygen demand** 1170 mg O<sub>2</sub>/l

**Chemical oxygen demand** 4700 mg O<sub>2</sub>/l

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### Ecological information on ingredients.

##### Sorbitan oleate

**Bioaccumulative potential** No potential for bioaccumulation.

##### 2-(2-butoxyethoxy)ethanol

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

**Partition coefficient** log Pow: 1.00

##### Sulfonic acids, C14-17-sec-alkane, sodium salts

**Bioaccumulative potential** Accumulation in organisms is not expected

##### MONOPROPYLENE GLYCOL

**Bioaccumulative potential** BCF: < 0.09,

**Partition coefficient** log Pow: -1.07

### 12.4. Mobility in soil

**Mobility** Soluble in water.

#### Ecological information on ingredients.

##### 2-(2-butoxyethoxy)ethanol

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

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**Adsorption/desorption coefficient** - Koc: 2.9 @ 20°C - Log Koc: 0.46 @ 20°C

**Henry's law constant** 0.00566 atm m<sup>3</sup>/mol @ 12°C

### 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.

##### Sorbitan oleate

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

##### 2-(2-butoxyethoxy)ethanol

## Sultrex P

Results of PBT and vPvB  
assessment

This substance is not classified as PBT or vPvB according to current UK criteria.

### 12.6. Other adverse effects

Other adverse effects None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal methods Dispose of in accordance with Local Authority regulations as special waste according to The Control of Special Waste Regulations 1996.

EURAL Code

## SECTION 14: Transport information

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

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

Not applicable.

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

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

## SECTION 15: Regulatory information

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

Drug Precursors Regulation  
(273/2004)

Danish product registration  
number

Danish national regulations

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

## Sultrex P

### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 IATA: International Air Transport Association.  
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
 IMDG: International Maritime Dangerous Goods.  
 CAS: Chemical Abstracts Service.  
 ATE: Acute Toxicity Estimate.  
 LC50: Lethal Concentration to 50 % of a test population.  
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 vPvB: Very Persistent and Very Bioaccumulative.

**Revision comments** Revision is due to change of UFI number Revision is due to general MSDS review

**Revision date** 15/03/2024

**Revision** 7

**Supersedes date** 27/10/2022

**SDS number** 7865/21497

**Hazard statements in full**

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 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.