

## SAFETY DATA SHEET

# Transport Cleaner

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

#### 1.1. Product identifier

##### Trade name

Transport Cleaner

##### Product no.

2781

##### Unique formula identifier (UFI)

KA6U-XS77-F00N-1Y4U

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

##### Relevant identified uses of the substance or mixture

Alkaline cleaner.

##### Use descriptors (UK REACH)

| Sectors of use                 | Description  |
|--------------------------------|--|
| LCS "C"                        | Consumer uses: Private households (= general public = consumers)   |
| LCS "PW"                       | Professional uses: Public domain (administration, education, entertainment, services, craftsmen)                         |
| Product category               | Description  |
| PC 35                          | Washing and Cleaning Products (including solvent based products)   |
| Process category               | Description  |
| PROC 28                        | Manual maintenance (cleaning and repair) of machinery  |
| PROC 19                        | Hand-mixing with intimate contact and only PPE available   |
| PROC 8a                        | Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities |
| Environmental release category | Description  |
| ERC 8a                         | Wide dispersive indoor use of processing aids in open systems  |
| ERC 8d                         | Wide dispersive outdoor use of processing aids in open systems   |

##### Uses advised against

None known.

#### 1.3. Details of the supplier of the safety data sheet

##### Company and address

**Jysk Kemi Service A/S**

Gl. Struervej 50

7500 Holstebro

Denmark

+45 9740 3133

+45 9740 4846

www.jyskkemi.dk

##### Contact person

Rikke Hunsbjerg

##### E-mail

rikke@jyskkemi.dk

##### Revision

18/01/2024

##### SDS Version

1.0

#### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Precautionary statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)

Prevention

Wear eye protection/face protection/protective gloves. (P280)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Storage

-

Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

Sodium Laureth sulfate

sodium hydroxide

Mentha arvensis, ext.

Additional labelling

EUH208, Contains Mentha arvensis, ext.. May produce an allergic reaction.

UFI: KA6U-XS77-F00N-1Y4U

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

- Amphoteric surfactants
- Anionic surfactants
- Non-ionic surfactants
- Polycarboxylates
- Perfumes (LINALOOL)
- Perfumes (LINALYL ACETATE)

### 2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|-------------------|-------------|-------|----------------|------|
|-------------------|-------------|-------|----------------|------|

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

|                        |   |        |   |      |
|------------------------|---|--------|---|------|
| Sodium Laureth sulfate | CAS No.: 68891-38-3<br>EC No.: 500-234-8<br>UK-REACH:<br>Index No.:             | 1-3%   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318 (SCL: 10.00 %)<br>Eye Irrit. 2, H319 (SCL: 5.00 %)<br>Aquatic Chronic 3, H412             | [19] |
| sodium hydroxide       | CAS No.: 1310-73-2<br>EC No.: 215-185-5<br>UK-REACH:<br>Index No.: 011-002-00-6 | 1-3%   | Skin Corr. 1A, H314<br>Skin Corr. 1B, H314 (SCL: 2.00 %)<br>Skin Irrit. 2, H315 (SCL: 0.50 %)<br>Eye Irrit. 2, H319 (SCL: 0.50 %) |      |
| propan-2-ol            | CAS No.: 67-63-0<br>EC No.: 200-661-7<br>UK-REACH:<br>Index No.: 603-117-00-0   | 1-3%   | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336   |      |
| Mentha arvensis, ext.  | CAS No.: 90063-97-1<br>EC No.: 290-058-5<br>UK-REACH:<br>Index No.:             | <0.25% | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411                  |      |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[9] Identified by EU as a fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

IF ON SKIN: Wash with plenty of water/water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Not applicable.

#### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact

The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: 2X

### SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

#### 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Keep only in original packaging.

#### Storage temperature

> 0°C

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

sodium hydroxide

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

propan-2-ol

Long term exposure limit (8 hours) (ppm): 400

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 999

Short term exposure limit (15 minutes) (ppm): 500

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1250

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### DNEL

dodecyldimethylamine oxide

| Duration:   | Route of exposure: | DNEL:                        |
|---|--------------------|------------------------------|
| Long term – Local effects - General population    |                    | 5,5 mg/kg<br>legemsvægt/dag  |
| Long term – Local effects - Workers               |                    | 11 mg/kg<br>legemsvægt/dag   |
| Long term – Systemic effects - General population |                    | 0,44 mg/kg<br>legemsvægt/dag |
| Long term – Systemic effects - Workers            |                    | 6,2 mg/m <sup>3</sup>        |

linalool

| Duration:   | Route of exposure: | DNEL:                   |
|---|--------------------|-------------------------|
| Long term – Local effects - General population    | Dermal             | 1.5 mg/cm <sup>2</sup>  |
| Long term – Local effects - Workers               | Dermal             | 3 mg/cm <sup>2</sup>    |
| Long term – Systemic effects - General population | Dermal             | 1.25 mg/kg bw/day       |
| Long term – Systemic effects - Workers            | Dermal             | 3.5 mg/kg bw/day        |
| Short term – Local effects - General population   | Dermal             | 1.5 mg/cm <sup>2</sup>  |
| Short term – Local effects - Workers              | Dermal             | 3 mg/cm <sup>2</sup>    |
| Long term – Systemic effects - General population | Inhalation         | 4.33 mg/m <sup>3</sup>  |
| Long term – Systemic effects - Workers            | Inhalation         | 24.58 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral               | 2.49 mg/kg bw/day       |

linalyl acetate

| Duration:   | Route of exposure: | DNEL:                    |
|---|--------------------|--------------------------|
| Long term – Local effects - General population    | Dermal             | 236.2 µg/cm <sup>2</sup> |
| Long term – Local effects - Workers               | Dermal             | 236.2 µg/cm <sup>2</sup> |
| Long term – Systemic effects - General population | Dermal             | 1.25 mg/kg bw/day        |
| Long term – Systemic effects - Workers            | Dermal             | 2.5 mg/kg bw/day         |
| Short term – Local effects - General population   | Dermal             | 236.2 µg/cm <sup>2</sup> |
| Short term – Local effects - Workers              | Dermal             | 236.2 µg/cm <sup>2</sup> |
| Long term – Systemic effects - General population | Inhalation         | 680 µg/m <sup>3</sup>    |
| Long term – Systemic effects - Workers            | Inhalation         | 2.75 mg/m <sup>3</sup>   |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

|  |                              |                        |
|--|------------------------------|------------------------|
| Long term – Systemic effects - General population  | Oral                         | 200 µg/kgbw/day        |
| <b>propan-2-ol</b>                                 |                              |                        |
| <b>Duration:</b>                                   | <b>Route of exposure:</b>    | <b>DNEL:</b>           |
| Long term – Systemic effects - General population  | Dermal                       | 319 mg/kg bw/day       |
| Long term – Systemic effects - Workers             | Dermal                       | 888 mg/kg bw/day       |
| Long term – Systemic effects - General population  | Inhalation                   | 89 mg/m <sup>3</sup>   |
| Long term – Systemic effects - Workers             | Inhalation                   | 500 mg/m <sup>3</sup>  |
| Short term – Systemic effects - General population | Inhalation                   | 178 mg/m <sup>3</sup>  |
| Short term – Systemic effects - Workers            | Inhalation                   | 1000 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population  | Oral                         | 26 mg/kg bw/day        |
| Short term – Systemic effects - General population | Oral                         | 51 mg/kg bw/day        |
| <b>sodium hydroxide</b>                            |                              |                        |
| <b>Duration:</b>                                   | <b>Route of exposure:</b>    | <b>DNEL:</b>           |
| Long term – Local effects - General population     | Inhalation                   | 1 mg/m <sup>3</sup>    |
| Long term – Local effects - Workers                | Inhalation                   | 1 mg/m <sup>3</sup>    |
| Short term – Local effects - Workers               | Inhalation                   | 1 mg/m <sup>3</sup>    |
| <b>Sodium Laureth sulfate</b>                      |                              |                        |
| <b>Duration:</b>                                   | <b>Route of exposure:</b>    | <b>DNEL:</b>           |
| Long term – Local effects - General population     | Dermal                       | 79 µg/cm <sup>2</sup>  |
| Long term – Local effects - Workers                | Dermal                       | 132 µg/cm <sup>2</sup> |
| Long term – Systemic effects - General population  | Dermal                       | 1650 mg/kg bw/day      |
| Long term – Systemic effects - Workers             | Dermal                       | 2750 mg/kg bw/day      |
| Long term – Systemic effects - General population  | Inhalation                   | 52 mg/m <sup>3</sup>   |
| Long term – Systemic effects - Workers             | Inhalation                   | 175 mg/m <sup>3</sup>  |
| Long term – Systemic effects - General population  | Oral                         | 15 mg/kg bw/day        |
| <b>PNEC</b>  |                              |                        |
| <b>dodecyldimethylamine oxide</b>                  |                              |                        |
| <b>Route of exposure:</b>                          | <b>Duration of Exposure:</b> | <b>PNEC:</b>           |
| Freshwater   |                              | 0,034 mg/l             |
| Freshwater sediment                                |                              | 5,24 mg/kg (tør vægt)  |
| Intermittent release                               |                              | 0,034 mg/l             |
| Marine water                                       |                              | 0,003 mg/l             |
| Marine water sediment                              |                              | 0,524 mg/kg (tør vægt) |
| Soil   |                              | 1,02 mg/kg (tør vægt)  |
| <b>linalool</b>                                    |                              |                        |
| <b>Route of exposure:</b>                          | <b>Duration of Exposure:</b> | <b>PNEC:</b>           |
| Freshwater   |                              | 200 µg/L               |
| Freshwater sediment                                |                              | 2.22 mg/kg             |
| Intermittent release (freshwater)                  |                              | 2 mg/L                 |
| Marine water                                       |                              | 20 µg/L                |
| Marine water sediment                              |                              | 222 µg/kg              |
| Predators  |                              | 7.8 mg/kg              |
| Sewage treatment plant                             |                              | 10 mg/L                |
| Soil   |                              | 327 µg/kg              |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

#### linalyl acetate

| Route of exposure:                | Duration of Exposure: | PNEC:      |
|-----------------------------------|-----------------------|------------|
| Freshwater                        |                       | 11 µg/L    |
| Freshwater sediment               |                       | 609 µg/kg  |
| Intermittent release (freshwater) |                       | 110 µg/L   |
| Marine water                      |                       | 1.1 µg/L   |
| Marine water sediment             |                       | 60.9 µg/kg |
| Sewage treatment plant            |                       | 1 mg/L     |
| Soil                              |                       | 115 µg/kg  |

#### propan-2-ol

| Route of exposure:                | Duration of Exposure: | PNEC:      |
|-----------------------------------|-----------------------|------------|
| Freshwater                        |                       | 140.9 mg/L |
| Freshwater sediment               |                       | 552 mg/kg  |
| Intermittent release (freshwater) |                       | 140.9 mg/L |
| Marine water                      |                       | 140.9 mg/L |
| Marine water sediment             |                       | 552 mg/kg  |
| Predators                         |                       | 160 mg/kg  |
| Sewage treatment plant            |                       | 2.251 g/L  |
| Soil                              |                       | 28 mg/kg   |

#### Sodium Laureth sulfate

| Route of exposure:                | Duration of Exposure: | PNEC:       |
|-----------------------------------|-----------------------|-------------|
| Freshwater                        |                       | 240 µg/L    |
| Freshwater sediment               |                       | 916.8 µg/kg |
| Intermittent release (freshwater) |                       | 71 µg/L     |
| Marine water                      |                       | 24 µg/L     |
| Marine water sediment             |                       | 91.7 µg/kg  |
| Sewage treatment plant            |                       | 10 g/L      |
| Soil                              |                       | 7.5 mg/kg   |

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

### Generally

Wash contaminated clothing before reuse.

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Use only UKCA marked protective equipment.

#### Respiratory Equipment

No specific requirements

#### Skin protection

| Recommended                      | Type/Category | Standards |
|----------------------------------|---------------|-----------|
| No special when used as intended | -             | -         |

#### Hand protection

| Material                                | Glove thickness (mm) | Breakthrough time (min.) | Standards               |
|---|----------------------|--------------------------|-------------------------|
| Nitrile - Discard immediately after use | 0.2                  | > 240                    | EN374-2, EN374-3, EN388 |



#### Eye protection

| Type | Standards |
|------|-----------|
|------|-----------|

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Clear

#### Odour / Odour threshold

Characteristic

#### pH

13,4

#### pH in solution

12,8 (1%)

#### Density (g/cm<sup>3</sup>)

1.02

#### Kinematic viscosity

No data available

#### Particle characteristics

Not applicable - product is a liquid

#### Phase changes

##### Melting point/Freezing point (°C)

Not applicable - product is a liquid

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

100

##### Vapour pressure

No data available

##### Relative vapour density

No data available

##### Decomposition temperature (°C)

No data available

#### Data on fire and explosion hazards

##### Flash point (°C)

Not applicable - flash point > 200°C

##### Flammability (°C)

Not applicable - flash point > 200°C

##### Auto-ignition temperature (°C)

Not applicable - flash point > 200°C

##### Lower and upper explosion limit (% v/v)

Not applicable



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

## Solubility

### Solubility in water

Completely soluble

### n-octanol/water coefficient (LogKow)

Testing not relevant or not possible due to the nature of the product.

### Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

## 9.2. Other information

### Evaporation rate (n-butylacetate = 100)

No data available

### Oxidizing properties

Not applicable

### Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### Acute toxicity

|                    |                  |
|--------------------|------------------|
| Product/substance  | sodium hydroxide |
| Species:           | Rat              |
| Route of exposure: | Oral             |
| Test:              | LD50             |
| Result:            | 325 mg/kg ·      |

|                    |               |
|--------------------|---------------|
| Product/substance  | propan-2-ol   |
| Species:           | Rat           |
| Route of exposure: | Oral          |
| Test:              | LD50          |
| Result:            | 5.280 mg/kg · |

|                    |                 |
|--------------------|-----------------|
| Product/substance  | propan-2-ol     |
| Species:           | Rat             |
| Route of exposure: | Inhalation      |
| Test:              | LC50            |
| Result:            | 72,6 mg/l 4 h · |

|                    |                |
|--------------------|----------------|
| Product/substance  | propan-2-ol    |
| Species:           | Rabbit         |
| Route of exposure: | Dermal         |
| Test:              | LC50           |
| Result:            | 12.800 mg/kg · |

|                    |                             |
|--------------------|-----------------------------|
| Product/substance  | dodecyltrimethylamine oxide |
| Species:           | Rat                         |
| Route of exposure: | Oral                        |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Test: LD50  
Result: 2000 mg/kg ·

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Product/substance: sodium hydroxide  
Species: Rabbit  
Result: Adverse effect observed (sensitising)

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

propan-2-ol has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance: sodium hydroxide  
Species: Fish  
Duration: 7 days  
Test: LC50  
Result: 125 mg/l ·

Product/substance: sodium hydroxide  
Species: Daphnia  
Duration: 24 hours  
Test: EC50  
Result: 145 mg/l ·

Product/substance: sodium hydroxide  
Species: Crustacean  
Duration: 15 min  
Test: EC50  
Result: 22 mg/l ·

Product/substance: sodium hydroxide  
Species: Daphnia, Ceriodaphnia dubia  
Duration: 48 hours  
Test: EC50

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

|                   |                            |
|-------------------|----------------------------|
| Result:           | 40,4 mg/L                  |
| Product/substance | propan-2-ol                |
| Species:          | Fish                       |
| Duration:         | 7 days                     |
| Test:             | LC50                       |
| Result:           | 9.640 mg/l ·               |
| Product/substance | propan-2-ol                |
| Species:          | Daphnia                    |
| Duration:         | 48 hours                   |
| Test:             | EC50                       |
| Result:           | 13.299 mg/l ·              |
| Product/substance | dodecyldimethylamine oxide |
| Species:          | Fish                       |
| Duration:         | 96 hours                   |
| Test:             | LC50                       |
| Result:           | 1,26 mg/L                  |
| Product/substance | dodecyldimethylamine oxide |
| Species:          | Daphnia                    |
| Duration:         | 48 hours                   |
| Test:             | EC50                       |
| Result:           | 2,9 mg/L                   |
| Product/substance | dodecyldimethylamine oxide |
| Species:          | Algae                      |
| Duration:         | 28 days                    |
| Test:             | NOEC                       |
| Result:           | 0,067 mg/L                 |
| Product/substance | dodecyldimethylamine oxide |
| Species:          | Bacteria                   |
| Duration:         | 17 hours                   |
| Test:             | EC10                       |
| Result:           | 24 mg/L                    |
| Product/substance | dodecyldimethylamine oxide |
| Species:          | Fish                       |
| Duration:         | No data available.         |
| Test:             | NOEC                       |
| Result:           | 0,42 mg/L                  |
| Product/substance | dodecyldimethylamine oxide |
| Species:          | Daphnia                    |
| Duration:         | 21 days                    |
| Test:             | NOEC                       |
| Result:           | 0,7 mg/L                   |
| Product/substance | Mentha arvensis, ext.      |
| Species:          | Fish                       |
| Duration:         | 96 hours                   |
| Test:             | LC50                       |
| Result:           | 16,6 mg/L                  |
| Product/substance | Mentha arvensis, ext.      |
| Species:          | Daphnia                    |
| Duration:         | 48 hours                   |
| Test:             | EC50                       |
| Result:           | 78,9 mg/L                  |

## 12.2. Persistence and degradability

|                   |             |
|-------------------|-------------|
| Product/substance | propan-2-ol |
| Biodegradable:    | Yes         |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Test method: OECD 301 E  
Result: 95%

Product/substance dodecyldimethylamine oxide  
Biodegradable: Yes  
Result: 80%

The surfactant(s) contained in this preparation 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

Product/substance sodium hydroxide  
Potential bioaccumulation: No  
LogKow: No data available.  
BCF: No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

## SECTION 13: Disposal considerations

### Waste treatment methods

Product is covered by the regulations on hazardous waste. (\*)  
To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.  
HP 8 – Corrosive  
Dispose of contents/container to an approved waste disposal plant.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code


20 01 15\* Alkalines

### Specific labelling



### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es)  | 14.4<br>PG* | 14.5<br>Env** | Other<br>information:  |
|------|-----------------|---------------------------------|---|-------------|---------------|--|
| ADR  | UN1760          | CORROSIVE LIQUID, N.O.S.        | Transport hazard class: 8<br>Label: 8<br>Classification code: C9<br> | II          | No            | Limited quantities: 1 L<br>Tunnel restriction code: (E)<br>See below for additional information. |
| IMDG | UN1760          | CORROSIVE LIQUID, N.O.S.        | Transport hazard class: 8<br>Label: 8<br>Classification code: C9  | II          | No            | Limited quantities: 1 L<br>EmS: F-A S-B<br>See below for   |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

| 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es)  | 14.4<br>PG* | 14.5<br>Env** | Other<br>information:                       |
|-----------------|---------------------------------|---|-------------|---------------|---|
|                 |                                 |    |             |               | additional<br>information.                  |
| IATA            | UN1760 CORROSIVE LIQUID, N.O.S. | Transport hazard class: 8<br>Label: 8<br>Classification code: C9<br> | II          | No            | See below for<br>additional<br>information. |

\* Packing group

\*\* Environmental hazards

#### Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: 2X

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: Regulatory information

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

##### Restrictions for application

People under the age of 18 shall not be exposed to this product.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

Not applicable.

#### UK-REACH, Annex XVII

propan-2-ol is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

- Amphoteric surfactants
- Anionic surfactants
- Non-ionic surfactants
- Polycarboxylates
- Perfumes (LINALOOL)
- Perfumes (LINALYL ACETATE)

#### Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

#### Sources

The Management of Health and Safety at Work Regulations 1999.

The Health and Safety at Work etc. Act 1974 Regulations 2013.

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.  
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.  
 Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.  
 Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

## 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.  
 H302, Harmful if swallowed.  
 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.  
 H336, May cause drowsiness or dizziness.  
 H411, Toxic to aquatic life with long lasting effects.  
 H412, Harmful to aquatic life with long lasting effects.

### The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)  
 LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 PROC 28 = Manual maintenance (cleaning and repair) of machinery  
 PROC 19 = Hand-mixing with intimate contact and only PPE available  
 PROC 8a = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  
 PC 35 = Washing and Cleaning Products (including solvent based products)  
 ERC 8a = Wide dispersive indoor use of processing aids in open systems  
 ERC 8d = Wide dispersive outdoor use of processing aids in open systems

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 CAS = Chemical Abstracts Service  
 CE = Conformité Européenne (European conformity)  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 CSA = Chemical Safety Assessment  
 CSR = Chemical Safety Report  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EINECS = European Inventory of Existing Commercial chemical Substances  
 ES = Exposure Scenario  
 EUH statement = CLP-specific Hazard statement  
 EuPCS = European Product Categorisation System  
 EWC = European Waste Catalogue  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IARC = International Agency for Research on Cancer (IARC)  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 OECD = Organisation for Economic Co-operation and Development  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RRN = REACH Registration Number

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### The safety data sheet is validated by

RH

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en