

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form	: Substance
Substance name	: SLES (Sodium Lauryl Ether Sulfate) 70%
Chemical name	: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (2 mol EO)
EC-No.	: 500-234-8
CAS-No.	: 68891-38-3
Formula	: CH <sub>3</sub> (CH <sub>2</sub> ) <sub>10</sub> CH <sub>2</sub> (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> OSO <sub>3</sub> Na
Product group	: Raw material

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

Main use category	: Detergent
Use of the substance/mixture	: Surface-active agents

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

HYDUM KİMYA KİMYEVİ MADDELER SANAYİ VE TİCARET LİMİTED ŞİRKETİ

CENGİZ TOPEL MAH. 96 SK. NO: 25 İÇ KAPI NO: 21 HALİLİYE/  
ŞANLIURFA, TÜRKİYET +90 (535) 612 57 41  
[info@hydum.com](mailto:info@hydum.com) - [www.hydum.com](http://www.hydum.com)**1.4. Emergency telephone number**

No additional information available

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.**

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 3H412	H412

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.**

Hazard pictograms (SEA) :



GHS05

GHS09

Signal word (SEA)	: Danger
Hazard statements (SEA)	: H315 - Causes skin irritation. H318 - Causes serious eye damage. H400 - Very toxic to aquatic life. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (SEA)	: P264 - Wash hands, forearms and face with soap and water thoroughly after handling. 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. P310 - Immediately dial 114 for the NATIONAL POISON CENTER or call a doctor/physician.

**2.3. Other hazards****Other hazards not contributing to the classification**

No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

CAS-No. : 68891-38-3  
EC-No. : 500-234-8  
Chemical name : Alcohols, C12-14, ethoxylated, sulfates, sodium salts (2 mol EO)

Name	Product identifier	%	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.
Alkyl ether sulfate C12-14, ethoxylated, sodium salt	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8	68 – 72	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

**3.2. Mixtures**

Not applicable

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.  
Symptoms/effects after eye contact : Serious damage to eyes.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

**5.3. Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

**6.1.2. For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**6.2. Environmental precautions**

Avoid release to the environment.

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

For containment : Collect spillage.  
 Methods for cleaning up : Take up liquid spill into absorbent material.  
 Other information : Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections**

For further information refer to section 13.

**SECTION 7: Handling and storage**
**7.1. Precautions for safe handling**

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
 Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

**7.3. Specific end use(s)**
**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**

No additional information available

**8.2. Exposure controls**

Appropriate engineering controls : Ensure good ventilation of the work station.  
 Hand protection : Protective gloves  
 Eye protection : Safety glasses  
 Skin and body protection : Wear suitable protective clothing  
 Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state : Liquid  
 Appearance : yellowish. Viscous liquid.  
 Colour : Slightly yellow  
 Odour : characteristic  
 Odour threshold : No data available  
 pH : No data available  
 pH solution : 1 (7 – 9.5) %  
 Relative evaporation rate (butylacetate=1) : No data available  
 Melting point :  $\geq 20$  °C  
 Freezing point : No data available  
 Boiling point :  $> 100$  °C  
 Flash point :  $> 100$  °C  
 Auto-ignition temperature : No data available

Decomposition temperature	: > 206 °C
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: soluble in water. Water: 280 g/l
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: > 10 mPa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Sodium lauryl ether sulphate (68891-38-3)</b>	
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short-term (acute))	: Expert judgment

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Classification procedure (Hazardous to the aquatic environment, long-term (chronic)) : Calculation method

<b>Sodium laurylether sulphate (68891-38-3)</b>	
LC50 fish 1	> 1 mg/l
EC50 other aquatic organisms 1	> 1 mg/l waterflea
EC50 other aquatic organisms 2	> 10 mg/l

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

<b>(68891-38-3)</b>	
Bioaccumulative potential	No additional information available

**12.4. Mobility in soil**

<b>(68891-38-3)</b>	
Mobility in soil	No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Ozone : Not classified






Other adverse effects : No additional information available

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>ADN</b>	<b>RID</b>
<b>14.1. UN number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
				
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

**14.6. Special precautions for user**
**- Overland transport**

No data available

**- Transport by sea**

No data available

**- Air transport**

No data available

**- Inland waterway transport**

No data available

**- Rail transport**

No data available

**SECTION 15: Regulatory information****15.1.1. National regulations**

This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation on Ozone Depleting Substances published in the Official Journal numbered 30031 on April 7, 2017.

**SECTION 16: Other information**

## Full text of H-statements

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

## Safety Data Sheet author's

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## SDS Turkey

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