

## Material Safety Data Sheet

Revision Date: 15.10.2021

# SODIUM LAURYL ETHER SULFATE

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Sodium lauryl ether sulfate  
**Synonyms** Sodium Alkyl Ethoxy Sulphate, Sodium C10-16 Alkyl ethoxy sulphate

### Other means of identification

**CAS-No** 68891-38-3

### Recommended use of the chemical and restrictions on use

**Recommended Use:** Surfactant for various applications, Ingredient in detergents, shampoos, personal and home care products.

### Manufacturer/Supplier

**Novichem Co.**  
**No.30, Magnolia Str, Qaem Maqam Farahani Ave.**  
**Tehran 15886/13941 IRAN**

**Contact telephone number**  
**(Product information)** +98-21-88329799 (Hunting)

## 2. HAZARDS IDENTIFICATION

### GHS Classification

**Acute toxicity (Oral)** : Category 4

**Skin irritation** : Category 2

**Serious eye damage** : Category 1

### GHS label elements

#### Hazard pictograms



#### Signal word

: Danger

#### Hazard statements

: H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

#### Precautionary statements

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### Precautionary statements

#### : Prevention:

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ eye protection/ face protection.

#### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ atten-

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No	Weight %	Chemical name
7732-18-5	< 31 %	Water
68891-38-3	69 - 72 %	Sodium Lauryl Ether Sulphate

## 4. FIRST AID MEASURES

### General advice

: Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

### If inhaled

: If unconscious, place in recovery position and seek medical advice.

If symptoms persist, call a physician.

### In case of skin contact

: If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

### In case of eye contact

: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

### If swallowed

: Keep respiratory tract clear.

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## 5. FIRE-FIGHTING MEASURES

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**Unsuitable extinguishing** K P ä @ [ ] { ^ Á æ ^ ! Á o Á

**media**

**Specific hazards during fire-fighting**

**Hazardous combustion products**

**Further information**

**Special protective equipment for firefighters**

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.

**Environmental precautions** : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.

<b>Methods and materials for containment and cleaning up</b>	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
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## 7. HANDLING AND STORAGE

**Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

**Advice on safe handling** : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.

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Dispose of rinse water in accordance with local and national regulations.

**Conditions for safe storage** : Keep container tightly closed in a dry and well-ventilated place.  
 Electrical installations / working materials must comply with the technological safety standards.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required.

#### Hand protection

**Remarks** : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection** : Eye wash bottle with pure water  
 Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection** : Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures** : When using do not eat or drink.  
 When using do not smoke.  
 Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** : Liquid

**Appearance** : Pale straw viscous

**Odor** : Characteristic

**Set point (°C)** : ca. 7

**pH** : ca 7.5 (20°C) (100 g/l)

**Vapor Pressure** : Not available

**Viscosity** : ca. 25000 m Pa.s. (25°C) (Brookfield RVT Spindle 4.R.P.M 100)

**Boiling Point** : Not available

**Freezing/Melting Point** : 10-15°C

**Autoignition Temperature** : Not available

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**Flash Point** : Not available  
**Explosion Limits, lower** : Not available  
**Explosion Limits, upper** : Not available  
**Decomposition Temperature** : Not available  
**Solubility in water** : ca 450 g/l (20°C)  
**Solubility in lower alcohols** : fully miscible (20°C)  
**Relative Density** : ca 1.1 (20°C)

**10. STABILITY AND REACTIVITY**

**Reactivity** : No dangerous reaction known under conditions of normal use.  
**Chemical stability** : Stable under normal conditions.  
**Possibility of hazardous reactions** : No decomposition if stored and applied as directed.  
**Conditions to avoid** : Keep away from heat, flame, sparks and other ignition sources.  
**Incompatible materials** : No data available

**11. TOXICOLOGICAL INFORMATION****Product:**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg

**Components:****9004-82-4:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

**Skin corrosion/irritation****Product:**

Remarks: Extremely corrosive and destructive to tissue.

**Components:****68585-34-2:**

Result: Irritating to skin.

**9004-82-4:**

Species: Rabbit  
Result: Irritating to skin.

**Serious eye damage/eye irritation****Product:**

Remarks: May cause irreversible eye damage.

**Components:****68585-34-2:**

Species: Rabbit  
Result: Risk of serious damage to eyes.

**9004-82-4:**

Species: Rabbit  
Result: Risk of serious damage to eyes.

**Carcinogenicity**

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<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Ozone-Depletion Potential

- : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**13. DISPOSAL CONSIDERATIONS****Disposal methods****Waste from residues**

- : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Uni-var Solutions ChemCare: 1-800-637-7922

**Contaminated packaging**

- : Empty remaining contents.  
Dispose of as unused product. Do not re-use empty containers.

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### 14. TRANSPORT INFORMATION

**DOT (Department of Transportation):** Not regulated as a dangerous good

**UNRTDG**

Not regulated as a dangerous good

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

### 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
 Skin corrosion or irritation  
 Serious eye damage or eye irritation

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

68585-34-2

Poly(oxy-1,2-ethanediyl),  
 sulfo-.omega.-hydroxy-,  
 ethers, .alpha.-  
 C10-16-alkyl

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68891-38-3	sodium salts Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts
9004-82-4	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (1:1)

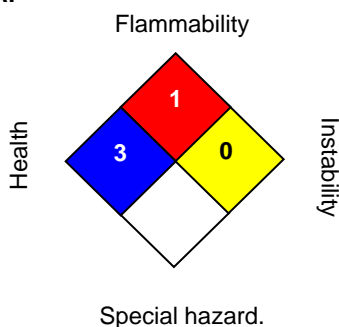
**California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL : On
AICS	the inventory, or in compliance with the inventory
NZIoC	: Not in compliance with the inventory
ENCS	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

## 16. OTHER INFORMATION

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>3/</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant,  
1 =Slight,  
2 = Moderate,  
3 = High  
4 =Extreme, \* = Chronic

Information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.