



**Material Safety Data Sheet**  
Sodium Lauryl Sulfate (SLS 30%)

Page 1 of 4

**1. Identification of the product and of the company**

Product name: Sodium lauryl sulfate  
Chemical formula:  $\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2\text{OOSOONa}$   
Synonym: Sodium dodecyl sulfate  
Chemical formula:  $\text{CH}_3(\text{CH}_2)_{11}\text{OSO}_3\text{Na}$

Company/undertaking identification:  
IRAN CHEMICALS & PETROCHEMICALS Ind.'s Co.  
No. 1, Niknam St., Shamse Tabrizi St., Mirdamad Ave., Tehran 1919914143 IRAN  
Tel. +98 (21) 22902969  
Fax +98 (21) 22923287

**2. Composition/information on ingredients**

Sodium lauryl sulfate  $30 \pm 1\%$  active substance in water  
INCI name: Sodium lauryl/ myristyl sulfate  
Declaration of ingredients: fatty alcohol sulfate, sodium salt.  
Cas# 151-21-3

**3. Hazards identification of the product**

Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.  
Slightly hazardous in case of skin contact (sensitizer). Severe over-exposure can result in death.  
Potential Chronic Health Effects: Slightly hazardous in case of skin contact (sensitizer).  
Carcinogenic effects: Not available.  
Mutagenic effects: Mutagenic for bacteria and/or yeast.  
The substance may be toxic to skin. Repeated or prolonged exposure to the substance can produce target organs damage.

**4. First aid measures**

after inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

after skin contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

after eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.



**Material Safety Data Sheet**  
Sodium Lauryl Sulfate (SLS 30%)

Page 2 of 4

---

after ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**5. Fire-fighting measures**

**Flammability of the Product:** May be combustible at high temperature.

**Fire Fighting Media and Instructions:**

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...).

**Fire fighting equipment/ instructions:** fire-fighters should wear full protective clothing including self contained breathing apparatus.

**6. Accidental release measures**

Ventilate area of spill. personnel should wear proper protective equipment. Use appropriate tools to put the spilled liquid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**7. Handling and storage**

**Precautions:**

Keep away from heat. Keep away from sources of ignition. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

**Storage:**

Keep container tightly closed. Keep container in a cool, well-ventilated area.

**8. Exposure controls / personal precaution**

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal protection:** wear suitable protective clothing.

**Hand protection:** suitable protective gloves.

**Eye protection:** protective goggles. Safety glasses.



**Material Safety Data Sheet**  
Sodium Lauryl Sulfate (SLS 30%)

Page 3 of 4

---

**9. Physical and chemical properties**

Appearance: Yellowish clear liquid  
Molecular weight: 288.38 g/mol  
odour: Slight fatty odor  
Density: 1.01 g/cm<sup>3</sup>  
pH (10% aq. Solution) : 7.5-9.5  
Active matter: 30±1%

**10. Stability and reactivity**

Chemical stability: the product is stable under normal conditions.

Incompatibility with various substances: Reactive with oxidizing agents.

Hazardous decomposition: upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

**11. Toxicological information**

Acute Symptoms/Signs of exposure:

Eyes: Redness, tearing, itching, burning, conjunctivitis. Skin: Redness, itching.

Ingestion: Irritation and burning sensations of mouth and throat, nausea, vomiting and abdominal pain.

Inhalation: Irritation of mucous membranes, coughing, wheezing, shortness of breath.

Chronic Effects: No information found.

Sodium Lauryl Sulfate: LD50 [oral, rat]; 1288 mg/kg.

Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects.

**12. Ecological information**

Ecological impact has not been determined.

**13. Disposal considerations**

Dispose of in accordance with the approval of the responsible local authority.

**14. Transport information**

Non hazardous material for air, sea and road freight.

**15. Regulatory information**

Symbols of danger: Xi irritant

R-phrases:

R38: Irritating to skin.

R41: Risk of serious damage to eyes.



**Material Safety Data Sheet**  
**Sodium Lauryl Sulfate (SLS 30%)**

Page 4 of 4

---

**S-phrases:**

**S24/25: Avoid contact with skin and eyes.**

**S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice**

**S28: After contact with skin, wash immediately with plenty of water.**

**S37/39: Wear suitable gloves and eye/face protection**

**16. Other information**

**This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.**