



**Material Safety Data Sheet**

Sodium lauryl ether sulfate 28% (S.L.E.S. 27%)

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

Identification of the product:  
Sodium lauryl ether sulfate 27%  
Cas number: 68585-34-2

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  
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**2. Composition/information on ingredients**

Sodium lauryl ether sulfate with approx. 2 moles EO,  
27±2 % active substance in water  
Declaration of ingredients:  
>20% Fatty alcohol ether sulfate, sodium salt  
Symbol: Xi  
R-Phrases: 38-41

**3. Hazards identification of the product**

Xi Irritant  
R 38: Irritating to skin  
R 41: Risk of serious damage to eyes

**4. First aid measures**

In case of discomfort, consult a physician.

after inhalation:  
not relevant

after skin contact:  
Rinse with water and soap.

after eye contact:  
Immediately flush eyes with copious amounts of running water (for 10 minutes), see an oculist.

after ingestion:  
Rinse out mouth, drink 1-2 glasses of water.

**5. Fire-fighting measures**

Suitable extinguishing media:  
foam, extinguishing powder, carbon dioxide, water spray jet, high pressure waterjet

Special exposure hazards arising from the product itself, from combustion products or from resulting gases:



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none known

**6. Accidental release measures**

**Personal precautions:**

**Avoid contact with skin and eyes.**

**Environmental precautions:**

**Do not allow to flow into drainage system.**

**Methods of cleaning up/of removing:**

**Remove with liquid-absorbing material (sand, peat, sawdust).**

**7. Handling and storage**

**Handling:**

**no special measures required Avoid open flames.**

**Storage:**

**keep container tightly sealed and store in a frost free place;**

**8. Exposure controls / personal protection**

**Information on the system design:**

**No special measures required**

**Personal protection:**

**Hand protection: suitable protective gloves**

**Eye protection: protective goggles**

**9. Physical and chemical properties**

**Appearance: colorless to yellow clear viscous liquid**

**Odour: odourless**

**pH (10% aq. Solution at 20°C): 7 - 9**

**Boiling Point: 100 °C at 760 mmHg**

**Specific Gravity : 1.065 at 77.00 F**

**Liquid Density : 8.860 lbs/gal at 77.00 F**

**1.065 kg/l at 25.00 C**

**10. Stability and reactivity**

**Stability: this product is stable under normal condition.**

**Conditions to avoid:**

**none known**

**Materials to avoid:**

**none known if used for its intended purpose**

**11. Toxicological information**



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**Mutagenicity: non-mutagenic (OECD method 471).**

**Ingestion:**

**Acute oral toxicity: LD50 >2000 mg/kg body weight.**

**Skin contact:**

**Primary skin irritation : irritating (OECD-method 404)**

**Test of sensibilisation without finding: (not sensitizing.)**

**Eye contact:**

**Primary eye irritation: strongly irritant**

**12. Ecological information**

**Persistence and degradability:**

**Readily and rapidly degradable: all individual organic substances contained in the product achieve values in tests for ready degradability (e.g. OECD 301 A-F) of at least 60 % BOD/COD**

**or 70 % DOC reduction (tolerance value for classification as "readily degradable": >=70 % DOC reduction or >= 60% BOD/COD in 28 days)**

**This product contains surfactants which are at least 90 % Biodegradable.**

**aquatic toxicity:**

**Acute fish toxicity: LC50 = >10 - 100 mg prod./l (golden orfe, DIN 38412T15 or zebra fish, ISO 7346)**

**Acute bacterial toxicity: EC0 >100 mg prod./l (oxygen consumption test with Ps. putida).**

**13. Disposal considerations**

**waste incineration with the approval of the responsible local authority.**

**14. Transport information**

**Not a hazardous material according to RID/ADR, GGVS/ GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR.**

**15. Regulatory information**

**Classification and labelling according to GefStoffV:**

**Symbols of danger:**

**Xi Irritant**

**R-phrases:**

**R 38: Irritating to skin**

**R 41: Risk of serious damage to eyes**



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**S-phrases:**

**S 24/25: Avoid contact with skin and eyes**

**S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice**

**S 28: After contact with skin, wash immediately with plenty of water**

**S 37/39: 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.**



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