



Material Safety Data Sheet

LAB SULPHONIC ACID

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1. Identification of the product and of the company

Product Name: Linear Alkyl Benzene Sulphonic Acid

Chemical Name: LABSA, LABS

Chemical formula: $C_{6}H_{4}(SO_{3}H)(CS_{2})_{10}CS_{3}$

Company/undertaking identification:

IRAN CHEMICALS & PETROCHEMICALS Ind.'s Co.

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2. Composition/information on ingredients

Linear Alkyl Benzene Sulphonic Acid 97±1% active substance in water

INCI name: n-dodecyl Benzene Sulphonic Acid 97%

Cas #: 27176-87-0

3. Hazards identification of the product

Skin Contact: Possible irritation from prolonged contact.

Eye Contact: may cause irritation and discomfort.

Inhalation: inhalation of the product may cause upper respiratory irritation.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting, and delayed diarrhea.

4. First aid measures

After Inhalation: If inhaled, remove the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

After Skin Contact: In case of skin contact, flush with copious amounts of water at least 15 minutes. Remove contaminated clothing and shoes call a physician.

After Eye Contact: In case of contact with eyes, immediately flush with copious amounts of water at least 15 minutes. Assure adequate flushing by separating the eye lids by fingers. Call physician.

After Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting.

5. Fire-fighting measures

Flash point: 149°C

Extinguishing Media: Suitable carbon dioxide, dry chemical powder, or appropriate foam.



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Special Risks: Emits toxic fumes under fire conditions, flammable liquid. Vapor may travel considerable distance to source of ignition and flash back.

Special Fire Fighting Procedures: Wear protective equipment and self contained breathing apparatus.

Combustion products: Sulphur dioxide, carbon monoxide.

Explosion Hazard: Container explosion may occur under fire condition.

6. Accidental Release Measures:

Procedure of Personal Precaution: Avoid contact with skin, eyes and clothing. Wear self contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up: Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pick up is complete.

7. Handling and storage

Handling:

Directions for Safe Handling: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Do not drop the drums from height. Take care while loading and unloading of un-palletized consignments.

8. Physical and chemical properties

Appearance: Brown, viscous liquid

Odour: a penetrating odour

Molecular weight: 322-325 g/mol

Boiling Point: 315° C

Melting point: 10 ° C

Specific Gravity (water=1): 1.2

Solubility in water: partially soluble

Active matter: 97±1%

Neutralization value: 180-185

Free sulfuric acid: 1.5% max

9. Exposure Controls/ Personal Protection:

Skin and Body Protection: uniform, Apron

Hand Protection: Rubber Gloves

Eye Protection: Safety goggles.

10. Toxicological Information:

Skin Irritation: Irritant

Eye Irritation: Severe Irritation

LD50: 650 mg/kg (rat)

11. Ecological Information

This product is not expected to harm the environment when used properly according to directions.



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12. Transport information:

Hazard class: 8
Packing group: III
Label required: corrosive 8
UN number: 2586

13. Stability and reactivity

Stability: stable
Conditions to avoid: Extreme cold or heat, ignition sources, and strong oxidising agents.
Incompatibilities: Strong oxidizers, acids, and bases
Hazardous decomposition: irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

14. Regulatory information

R-phrase:
R 22: Harmful if swallowed.
R 34: Causes burns.

S-phrase:
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical help.
S 28: After contact with skin, wash immediately with plenty of water.
S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

15. 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.