



SAFETY DATA SHEET

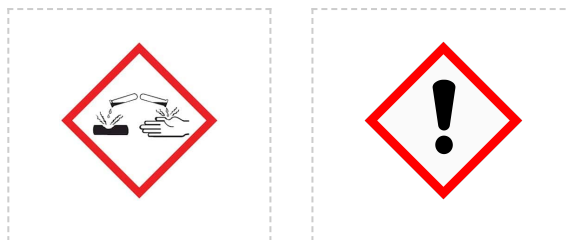
NavXport Worldwide

Product: Linear Alkyl Benzene Sulfonic Acid (LABSA 96%)

SECTION 1: Product and Company Identification

Product Name	LINEAR ALKYL BENZENE SULFONIC ACID (LABSA 96%)
Synonyms	Dodecylbenzene Sulfonic Acid; Laurylbenzene Sulfonic Acid; LAS
Company	NAVXPORT WORLDWIDE NMR -A-47, New Minal, Govindpura Industrial Area, Bhopal- 462023, MP, INDIA
Emergency Contact	+91 96329 45556 +91 93138 27100
Email	sales@navxport.com

SECTION 2: Hazards Identification



Signal Word: DANGER

Hazard Statements:

- H290: May be corrosive to metals.
- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements: Wear protective gloves/clothing/eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Immediately call a POISON CENTER or doctor.

SECTION 3: Composition / Information on Ingredients

Component	CAS-No.	EC-No.	Weight %
Linear Alkylbenzene Sulfonic Acid	27176-87-0	248-289-4	> 96%
Sulfuric Acid	7664-93-9	231-639-5	< 2%

SECTION 4: First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Seek immediate medical attention.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Get medical aid immediately.
Eye Contact	Flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids. Seek immediate medical assistance.
Ingestion	Do NOT induce vomiting. If conscious, give 2-4 cupfuls of milk or water. Call a physician immediately.

SECTION 5: Fire Fighting Measures

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Substance is combustible at high temperatures.

Specific Hazards: Thermal decomposition can lead to release of irritating gases and vapors including Carbon oxides and Sulfur oxides (SO_x).

SECTION 6: Accidental Release Measures

Avoid contact with skin and eyes. Wear personal protective equipment. Prevent further leakage or spillage if safe to do so. Absorb with inert material (sand, earth, vermiculite) and place in a container for disposal. Neutralize residue with lime or soda ash.

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Use only in a well-ventilated area. Wash thoroughly after handling.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances (bases, strong oxidizers). Keep containers tightly closed. Recommended storage materials: Stainless steel, Plastic (HDPE).

SECTION 8: Exposure Controls / Personal Protection

Control Parameters	No specific exposure limits established for LABSA. (Sulfuric acid trace: 1 mg/m ³ TWA).
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Personal Protective Equipment: Wear chemical splash goggles and a face shield. Wear appropriate protective gloves (Nitrile/PVC) and chemical-resistant clothing/apron. Use a NIOSH-approved respirator if ventilation is inadequate.

SECTION 9: Physical and Chemical Properties

Appearance	Brown viscous liquid	Odour	Slightly sulfurous
pH	~ 1.5 (1% aqueous solution)	Melting Point	-10°C (approx.)
Boiling Point	315°C	Solubility	Soluble in water
Relative Density	1.04 - 1.06 g/cm ³	Viscosity	1500 - 2500 cPs @ 25°C

SECTION 10: Stability and Reactivity

Stability: Stable under normal temperatures and pressures. Hygroscopic.

Conditions to Avoid: Incompatible materials, excess heat, moisture.

Incompatibility: Reacts violently with strong bases. Corrosive to metals (Aluminum, Copper, Zinc).

SECTION 11: Toxicological Information

Acute Toxicity: LD50 Oral (Rat): ~1219 mg/kg. **Chronic Effects:** Not listed as a carcinogen by IARC, NTP, or OSHA. Causes severe irritation and chemical burns to all routes of exposure.

SECTION 12: Ecological Information

Ecotoxicity: Toxic to aquatic organisms. LC50 (Fish, 96h): 1-5 mg/L. **Biodegradation:** Readily biodegradable (>90% MBAS reduction). Avoid release to the environment.

SECTION 13: Disposal Considerations

Treat as hazardous waste. Neutralize cautiously before disposal. Dispose of in accordance with local and national regulations.

SECTION 14: Transport Information

UN Number	2586
Proper Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID
Hazard Class	8 (Corrosive)

Packing Group	III
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SECTION 15: Regulatory Information

Listed on TSCA and EINECS inventories. This product is classified as hazardous according to GHS and standard chemical regulations.

SECTION 16: Other Information

Disclaimer: The information provided by **NavXport Worldwide** is correct to the best of our knowledge. It is designed only as a guide for safe handling and is not a warranty or quality specification.