

MATERIAL SAFETY DATA SHEET (MSDS)

LABSA – LINEAR ALKYL BENZENE SULPHONIC ACID

1. Product Identification

Synonyms: Linear Alkyl Benzene Sulphonic Acid

CAS No.: 27176-87-0

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2. Composition / Information On Ingredients

Ingredient	CAS No.	Concentration	Symbol	R-Phase
LABSA	27176-87-0	>96%	C-Corrosive	R 22,34
Sulphuric acid	7664-93-9	2.0% max.	C-Corrosive	R34
R 22: Harmful if swallowed.				
R 34: causes burns.				

3. Hazardous Identification

Harmful if swallowed. Causes burns.

4. First Aid measures

General: Immediately remove contaminated clothing. Rinse with water.

Ingestion: Rinse mouth and provide fresh air. Dilute by drinking milk copiously. Contact physician.

Skin: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eyes: Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for atleast 15 minutes. Get medical attention.

5. Fire Fighting Measures

Extinguishing media:

This material is not flammable. Fire can be extinguished using water spray, foam, carbon dioxide etc.

Hazardous combustion products:

Carbon dioxide (CO₂), Carbon monoxide (CO), Sulfurous gases (SO_x).

Protective measures in fire:

Cool down the packing. In case of fire, wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal precaution: Hand and eye protection. Spilled product gives a slippery surface.

Precautions to protect

Environment: Do not discharge product into natural waters without pretreatment.

Spill cleanup methods:

Contain with absorbent material and dispose. Flush area with water for smaller spills.

7. Handling And Storage

Usage precautions: Avoid spills. Avoid skin and eye contact.

Storage precautions:

Keep containers tightly closed. Store at moderate temperature from -40 to +60.

8. Exposure Controls / Personal Protection

Protective equipment:

Protective gloves should be used if there is a risk of direct contact or splash.

Eye protection:

Wear approved chemical safety goggles where eye exposure is reasonably probable.

9. Physical And Chemical Properties

Appearance: Brown, viscous liquid with a penetrating odor.

Viscosity at 60°C ca. 200 cps.

Viscosity at 20°C ca. 2000 cps.

S.G. at 20°C 1.04 – 1.05 g/ml

Mol. Weight 320 ± 2

Flash point (°C) >90° (DIN 51758)

pH (1% solution) ca. 1.5

10. Stability And Reactivity

Reactivity: Reacts with alkalis and generates heat.

Hazardous decomp. Products: No hazardous decomposition products.

11. Toxicological Information

Health Warnings:

This chemical may cause skin/eye irritation and burns (corrosive). Gas or vapour may irritate respiratory system. Harmful if swallowed.

12. Ecological Information

LC-50 value for fish: 1-5 mg/l

LC-50 value for Daphnia: 15 mg/l

LC-50 value for algae: 10-300 mg/l

Degradation: Readily biodegradable

Primary biodegradation: MBAS: 93-97%

Total biodegradation: Most: 73-84%

Closed bottle: 55-65%

Sturm: 45-76%

13. Disposal Considerations

General / Cleaning:

Must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.

14. Transport Information

ROAD TRANSPORT:

ADR UN No. : 2586
Class No. : 8
Item No. : 34c
Hazard No. ; 80 Corrosive or slightly corrosive substance

SEA TRANSPORT:

IMO UN No. : 2586
IMDG class : 8
Packing gr. : III
EmS No. : 8-06
MFAG No. : 700

AIR TRANSPORT:

IATA UN No. : 2586
ICAO class : 8
Packing gr. : III

15. Regulatory Information

Classification and labeling

Provisional

Symbols of hazards:

Risk Phrases:

R 22 – Harmful if swallowed.
R 34 – Causes burns.

Safety Advices:

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.



C - Corrosif

16. Other Information

Disclaimer:

The information contained in this MSDS sheet is based on the available knowledge at the time of compilation. Union Chemicals Factory provides the information contained herein in good faith and 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 judgement in determining its appropriateness for a particular purpose.

The data provided herein do not constitute specifications of quality. This MSDS cancels and replaces any preceding release.