

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE

**Synonyms:** Linear Alkyl Benzene Sulphonic Acid  
**CAS No.:** 27176-87-0

## SECTION 2: HAZARDS IDENTIFICATION

Harmful if swallowed. Causes burns.

## SECTION 3: 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.

## SECTION 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.

## SECTION 5: FIREFIGHTING MEASURES

**Extinguishing media:**

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

**Hazardous combustion products:**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), Sulphurous gases (SO<sub>x</sub>).

**Protective measures in fire:**

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

## SECTION 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.

## SECTION 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.

## SECTION 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.

## SECTION 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

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Reacts with alkalis and generates heat.

**Hazardous decomp. Products:** No hazardous decomposition products.

## SECTION 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.

## SECTION 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%

## SECTION 13: DISPOSAL CONSIDERATIONS

**General / Cleaning:**

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

## SECTION 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

## SECTION 15: REGULATORY INFORMATION

Classification and labeling

### **Provisional**

Symbols of hazards:



C - Corrosif

### **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.

END OF MSDS