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MATERIAL SAFETY DATA SHEET

LABSA

General Information

Product name: LABSA

INCI name: Dodecylbenzene Sulfonic Acid

Composition

Contains	CAS No.	Parts	Symbol	R-Phrase
Dodecylbenzene Sulfonic Acid	27176-87-0			
Or 85117-49-3	>96%	C corrosive	R 22,34	
Sulfuric Acid	7664-93-9	0-1%	C corrosive	R 34

Hazard Identification

Harmful if swallowed. Causes burns.

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 at least 15 minutes. Get medical attention.

Fire-Fighting Measures

Extinguishing media: This material is not flammable. Fire can be extinguished using foam, carbon dioxide, sand, dolomite, 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.

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.

Handling & Storage

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

Storage precautions: Keep containers tightly closed. Store at moderate temperatures. Store above

50°C will give darker colour.

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.

Physical & Chemical Properties

Appearance: Brown, viscous liquid with a penetrating odour.

Viscosity at 60°C ca. 200 cps.

Viscosity at 20°C ca. 2000 cps.

S.G. at 20°C 1.03 g/ml

Mol. Weight 322 +2

Neutralization # 179 mg KOH/g sulphonic acid

Flash point (°C) >90° (DIN 51758)

pH (1% solution) ca. 1.5

Stability & Reactivity

Reactivity: Reacts with alkalis and generates heat.

Hazardous decomp. products: No hazardous decomposition products.

Toxicological Information

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

Ecotoxicological 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%

Disposal Consideration

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

Transport Information

ADR UN No.: 2586

Class No.: 8

Item No.: 34c

Hazard No.: 80 Corrosive or slightly corrosive substance.

IMO UN No.: 2586

IMDG class: 8

Packing gr.: III

EmS No.: 8-06

MFAG No.: 700

IATA UN No.: 2586

ICAO class: 8

Packing gr.: III