



TULSTAR PRODUCTS, INC.

5510 SOUTH LEWIS AVENUE • TULSA, OK 74105 • (918) 749-9060 • FAX (918) 747-1444
TULSTAR@TULSTAR.COM • WWW.TULSTAR.COM

MATERIAL SAFETY DATA SHEET

Company Information

Company Name: **TULSTAR PRODUCTS, INC.**
5510 S. Lewis Ave.
Tulsa, OK 74105
Phone Number: (918) 749-9060
Fax Number: (918) 747-1444
Email Address: tulstar@tulstar.com
Emergency Number: CHEMTREC 800-424-9300 (24 hours)

General Information

Product name: LABSA
INCI name: Dodecylbenzene Sulfonic Acid

Composition

<u>Contains</u>	<u>CAS No.</u>	<u>Parts</u>	<u>Symbol</u>	<u>R-Phrase</u>
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 \pm 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.
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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.
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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