



# TULSTAR PRODUCTS, INC.

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## MATERIAL SAFETY DATA SHEET

### Company Information

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

### Product Information

Product name: DDBSA  
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	95-97%	C corrosive	R 34
Sulfuric Acid	7664-93-9	0-1%	C corrosive	R 34

### Description of Hazards

General: None  
Ingestion: Corrosive  
Skin: Desiccating  
Eyes: Desiccating, irritating

### First Aid Measures

General: Rinse with water.  
Ingestion: Dilute by drinking milk copiously.  
Skin: Rinse off with water.  
Eyes: Rinse with copious amounts of water.

### Fire-Fighting Measures

Information regarding  
inflammability: Flash point >90°C  
All types of fire extinguishers may be used.  
Preventive measures: None

### Accidental Release Measures

General: Rinse away with water  
Water contamination: It is partly biodegradable.  
Contamination of land: Absorb in saw dust and rinse with water.

## Handling & Storage

Rules defining care as to use: none  
Rules defining care as to storage: Should be stored in closed containers. Storage 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.

## Physical & Chemical Properties

Appearance: Dark brown, viscous liquid with a penetrating odour.  
Viscosity at 60°C ca. 500 cps.  
Viscosity at 20°C ca. 17000 cps.  
S.G. at 20°C 1.04 g/ml  
Mol. Weight 322 +2  
Neutralization # 179 mg KOH/g sulphonic acid  
Flash point (°C) >90° (DIN 51758)

## Stability & Reactivity

No special precautions. This product is a weak acid. When mixed with alkali, heat will be released.

## Toxicological Information

LD<sub>50</sub> value for rats: 2320 mg/kg  
Information to medical personnel: Main health hazard is drying of skin and eye irritation.  
Health control: None

## Ecotoxicological Information

LC<sub>50</sub> value for fish: 1-5 mg/l  
LC<sub>50</sub> value for Daphnia: 15 mg/l  
LC<sub>50</sub> value for algae: 10-300 mg/l  
Biodegradation: Partly biodegradable

## Disposal Consideration

Disposal: Spill collected in absorbing material. Traces rinsed away by water. Destruction by burning.

## Transport Information

General: Sulfonic acid is delivered in lined iron drums or in road tankers.

## Regulatory Information

Transport & danger class: IMO Class 8  
UN No.: 2586  
ADR-classified  
Packing gr.: III  
EmS No.: 8-06  
MFAG No.: 700  
Labeling of packing: Warning symbol: C-corrosive  
Contents: Dodecylbenzene Sulfonic Acid: 60-100%  
Sulfuric Acid: 0-1%