



Specialized in chemicals

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## Material Safety Data Sheet

### LABSA MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Dodecylbenzenesulphonic acid (RC6H4SO3H, R=C10H21-C13H27)

**CAS#:** 27176-87-0

**RTECS:** DB6600000

**Synonym:** LABSA

**Chemical Name:** Dodecylbenzenesulphonic acid

**Chemical Formula:** C18H30O3S

**Contact Information for Emergency:** (0086) 551 65418678

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#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS # %	By Weight
LABSA	27176-87-0	96%

**Toxicological Data on Ingredients:** Not applicable.

#### Section 3: Hazards Identification

**.NFPA ratings (scale 0 - 4)**



Health = 2; Fire = 0; Reactivity = 0

.Classification according to Regulation GHS:

Acute toxicity, swallowed (Category 4); Skin irritation (Category 1B); Eye irritation (Category 1)

**.Labelling according to Regulation GHS:**



C: Corrosive



Xn: Harmful

**.Risk statements:**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes severe eye damage.

**.Precautionary statements:**

P260 Do not breathe dust / fume / gas / fumes / vapor / spray.

P264 Thoroughly wash after work.

P270 When using this product do not eat, drink or smoke.

P301+ P330+P312 IF SWALLOWED: Gargle, If feel unwell, call a poison center or doctor.

P280 Wear protective gloves / protective clothing / Wear protective goggles / face protection.

P303+361+353 IF ON SKIN (or hair): Wash immediately Remove / Take off all contaminated clothing.

Rinse skin with water / shower.

P363 Before reuse wash contaminated clothing.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### **Section 4: First Aid Measures**

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

.Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

.Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get

medical aid.

.Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid

If irritation develops or persists.

.Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water to gargle. Never give anything by mouth to an unconscious person. Get medical aid.

## Section 5: Fire and Explosion Data

.General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Non-combustible, substance itself does not burn.

.Flammable class: 0

.Suitable extinguishing media: Water, CO<sub>2</sub>, Dry Chemicals, Foam-Fog.

.Fire/Explosion Hazards: Heat will decompose to toxic fumes, Negligible fire and explosion hazard.

.Special fire & explosion hazards: None.

.Other information: Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to products of combustion exists.

## Section 6: Accidental Release Measures

Small Spill: Mix absorb leaked material with (sand, diatomite, sawdust) then clean and place into a suitable container for handling, or scrub the area with towel and water.

.Large Spill: Isolate accident area to prevent the leak products from being contaminated, dig a pit to gather leaked liquid and then recycle the leak products. Be careful that the product is not present at a concentration level above TLV.

Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

The regulations relating to storage premises apply to workshop where the product is handled :

.Handling: Handling products need to wear protective gloves, need to provide showers and eyewash equipment at workplace. Handle with care when handling. Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. When needed wear respiratory protection equipment, protective goggles when handling material. Observe all warnings and precautions listed for the product.

.Storage: Store in a cool & dry area, away from heat sources & protected from light. Store in relatively stable areas, to avoid collision with a hard object and control ignition sources. Keep air contact to a minimum.

## Section 8: Exposure Controls/Personal Protection

.Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

.Personal Protection: Lab coat, Be sure to use an approved/certified respirator or equivalent, Gloves.

.Protective Gloves: Choose Rubber or plastic gloves with elbow-length gauntlet.

.Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

.Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

.Health measures: Local exhaust ventilations may be necessary for some operation

## Section 9: Physical and Chemical Properties

### .General Information

Form: Liquid  
Color: Brown  
Odor: Slightly Special Odor

### Change in condition

Melting point/Melting range:  $<0^{\circ}\text{C}$   
Boiling point/Boiling range:  $>80^{\circ}\text{C}$

Self-igniting: Product is not self-igniting

Danger of explosion: Not available

### Density:

.Relative density:  $>1$  (Water=1)  
.Vapor density: Not available  
.Evaporation rate: Not available

### Solubility in/Miscibility with

Water: Soluble  
.PH-Value: Not available

## Section 10: Stability and Reactivity Data

Chemical Stability: Stable under normal temperatures and pressures.

.Solubility: Soluble in water, alcohol, chloroform, carbon tetrachloride, Slightly soluble in benzene.

.Materials with which substance is incompatible: Alkaline substances.

.Hazardous Polymerizations: Will not occur.

.Special Remarks on Reactivity: Not available.

.Special Remarks on Corrosively: Not available.

## Section 11: Toxicological Information

Toxicity to Animals:

LD50: 650mg/kg rat oral.  
LC50: Not available.  
.Irritation data: Severe irritation, No detailed irritating data.  
.Other Toxic Effects on Humans: Not available.  
.Chronic Effects on Humans: Not available.  
.Special Remarks on Chronic Effects on Humans: Not available.

## Section 12: Ecological Information

Ecotoxicity: Not available.  
.Products of Biodegradation: None hazardous short term degradation products are not likely.  
.Water Danger/Protection: Water hazard class 1 (German Regulation) (Self-assessment): Slight hazardous for water.

## Section 13: Disposal Considerations

Product: Must be disposed of in accordance with applicable Federal, state and local regulations.  
.Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
.Uncleaned packaging: Recommendation Disposal must be made according to official regulations.

## Section 14: Transport Information

UN Number: 2586  
.Packing Group: III  
.Special Provisions for Transport: Non-regulated  
.Marine Pollutant: Yes.  
.TDG Classification: 8 Corrosive  
.ADR/RID Classification: 8 Corrosive  
.IMO/IMDG Classification: 8 Corrosive  
.ICAO/IATA Classification: 8 Corrosive

## Section 15: Other Regulatory Information

US FEDERAL  
TSCA: Listed on the TSCA inventory.  
Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.  
CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.  
Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.  
Section 12b: None of the chemicals are listed under TSCA Section 12b.  
TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.  
SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.  
Section 313: No chemicals are reportable under Section 313.  
OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.  
California Prop 65-California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

REACH Regulation List of Substances of very high concern (SVHC):None of the ingredients is listed.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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