

MATERIAL SAFETY DATA SHEET

DODECYL BENZENE SULPHONIC ACID SODIUM SALT 80%

(Purified)

(Sodium Dodecyl Benzene Sulphonate)

MSDS CAS: 123-01-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: DODECYL BENZENE SULPHONIC ACID SODIUM SALT

CAS#: 25155-30-0

Synonym: Sodium Dodecyl Benzene Sulphonate

Chemical Name: Dodecyl Benzene Sulphonic Acid Sodium Salt

Chemical Formula: C₁₈H₂₉NaO₃S

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Dodecyl Benzene Sulphonic Acid Sodium Salt	25155-30-0	100

Section 3: Hazards Identification

Risk advice to man and the environment:

Harmful if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes.

Section 4: First Aid Measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire and Explosion Data

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 7: Handling and Storage

Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Safety glasses.

Section 8: Exposure Controls/Personal Protection (Continued)

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance Form	: Powder
Colour	: Light yellow
Molecular Weight	: 348.48 g/mole
pH	: No data available.
Melting point	: No data available.
Boiling point	: No data available.
Flash point	: No data available.
Ignition temperature	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Water solubility	: No data available.
Partition coefficient:n-octanol/water log Pow	: 0,45

Section 10: Stability and Reactivity Data

Storage stability:

Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents

Section 10: Stability and Reactivity Data (Continued)

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Sodium oxides.

Section 11: Toxicological Information

Acute toxicity:

LD50 Oral - rat - 438 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation.

Behavioral:Somnolence (general depressed activity). Diarrhoea

Irritation and corrosion:

Skin - rabbit - Skin irritation - 24 h

Eyes - rabbit - Severe eye irritation - 24 h

Sensitisation: No data available.

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects:

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes serious eye irritation.

Ingestion Harmful if swallowed.

Section 12: Ecological Information

Elimination information (persistence and degradability)

Bioaccumulation *Lepomis macrochirus* - 28 d

Bioconcentration factor (BCF): 220

Ecotoxicity effects:

Toxicity to fish mortality NOEC - *Oncorhynchus kisutch* - 3,1 mg/l - 3 d mortality LOEC - *Oncorhynchus kisutch* - 5,6 mg/l - 3 d Toxicity to daphnia and other aquatic invertebrates. mortality NOEC - *Daphnia* - 4 mg/l - 7 d

Further information on ecology:

Avoid release to the environment.

No data available.

Section 13: Disposal Considerations

Product:

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Section 14: Transport Information (Continued)

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Section 15: Other Regulatory Information

Labelling according to EC Directives

Hazard symbols:

Xn Harmful

R-phrases(s):

R22 Harmful if swallowed.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

S-phrases(s):

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27 Take off immediately all contaminated clothing.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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