



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
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SODIUM DODECYL SULFATE SPECIALLY PURIFIED

1. Product Identification

Synonyms: Sodium lauryl sulfate; Dodecyl sodium sulfate; Sulfuric acid, monodecyl ester, sodium salt

CAS No.: 151-21-3

Molecular Weight: 288.38

Chemical Formula: $C_{12}H_{25}OSO_3Na$

Product Code : 39098

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Sodium Dodecyl Sulfate	151-21-3	90 - 100%

3. Hazards Identification

Potential Health Effects

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. May cause allergic reaction in sensitive individuals.

Ingestion: Large doses may cause gastrointestinal distress, nausea and diarrhea.

Skin Contact: Mildly irritating to skin, causes dryness and a rash on continued exposure. May cause allergic skin reactions.

Eye Contact: Causes irritation, redness, and pain.

Chronic Exposure: Chronic exposure may cause skin effects.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

Protection against fire : Do not enter fire area without proper protective equipment, including Respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



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6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.
Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Personal Respirators : For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance	: Fine, white or slightly yellow powder.
Odor	: Slight fatty odor.
Solubility	: 10g/100g water.
Specific Gravity	: 0.4 @ 15C/4C
pH	: No information found.
% Volatiles by volume @ 21C (70F)	: 0
Boiling Point	: No information found.
Melting Point	: No information found.
Vapor Density (Air=1)	: No information found.
Vapor Pressure (mm Hg)	: No information found.
Evaporation Rate (BuAc=1)	: No information found.

10. Stability and Reactivity

Stability	: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products	: Oxides of carbon, sulfur and sodium oxide may form when heated to decomposition.
Hazardous Polymerization	: Will not occur.
Incompatibilities	: Strong oxidizers, acids.
Conditions to Avoid	: Heat, flames, ignition sources and incompatibles.



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11. Toxicological Information

Toxicological Data:

Oral rat LD50: 1288 mg/kg; Inhalation rat LC50: > 3900 mg/kg; irritation data: skin human, standard Draize, 25 mg/24-hour, mild; eye rabbit, standard Draize, 250 ug, mild. Investigated as a mutagen, reproductive effector.

Reproductive Toxicity: Has caused mutagenic and teratogenic effects on laboratory animals.

12. Ecological Information

Environmental Fate : No information found.

Environmental Toxicity : 96 Hr LC50 fathead minnow (fry): 10.2 mg/L;

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Proper Shipping Name : Sodium dodecyl sulphate

Hazard Class : 6.1

Packing Group : III

UN/NA : UN2926

15. Regulatory Information

Safety, health and environmental: Ensure all national/local regulations are observed. regulations/legislation specific for the substance or mixture

Chemical Safety Assessment : It has not been carried out.

16. Other Information

Product Use : Laboratory Reagent/ Industrial. For professional use only