

Safety Data Sheet

Hazard Information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

Chemical and Company Identification

Product name

Sodium Dodecyl Sulfate (SDS)

Product code

GR126-500

For research use only.

Supplier

Hoefer, Inc.
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Holliston, MA 01746
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Emergency Contact

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000-800-100-4086 (India) 400-120-0751 (Peoples Republic of China)
800-099-0731 (Mexico)

Composition / Ingredients

Hazard	CAS No.	EC No.	%WT	Molecular Formula	Molecular Weight
Sodium Dodecyl Sulfate	151-21-3	205-788-1	95-100	C ₁₂ H ₂₅ NaO ₄ S	288.38 g/mol

Hazards Identification

GHS Classification:**Classification:****Flammable solid: 1****Acute toxicity, oral: 4****Acute toxicity, dermal: 3****Skin irritant: 2****Eye irritant: 2****Specific target organ toxicity, single exposure: 3****Pictogram:****Signal Word:** Danger**Hazard Statements:**

H228: Flammable solid

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Precautionary Statements:**P210:** Keep away from heat/sparks/open flames/hot surfaces.**P261:** Avoid breathing dust/fume/gas/mist/vapors/spray**P280:** Wear protective gloves/protective clothing/eye protection/face protection.**P305+P351+P338:** If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.**P312:** Call a POISON CENTER or doctor/physician if you feel unwell.**First Aid Measures****Eyes:** Flush eyes with plenty of water. Consult a physician.**Skin:** In case of contact, flush area immediately with water. Get medical aid if irritation persists.**Inhalation:** Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician.**Ingestion:** Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.**Fire-Fighting Measures****Flammable:** Flammable solid. Keep away from heat, sparks, open flame and hot surfaces.**Flash Point:** >100°C

Autoignition Temperature: Not determined.

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available.

Accidental Release Measures

Personal Precautions:

Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.

Methods for Containment and Clean Up:

If safe to do so, contain further leakage. Sweep and place in a closed container. Avoid sources of ignition and electrostatic charge. Dispose according to local regulations.

Handling and Storage

Handling: Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature. Keep cool and dry.

Exposure Controls/Personal Protection

Exposure limits: ACGIH, NIOSH, OSHA, none listed. Use adequate ventilation. Avoid dust generation.

Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.

Engineering Measures: eye wash stations, ventilation systems, showers

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

Physical and Chemical Properties

Appearance: Fine white powder

Odor: No information found.

Odor Threshold: No information found.

Melting Point: 204–207°C

Boiling Point: No information found.

Specific Gravity: No information found.

Vapor Density: No information found.

Vapor pressure: No information found.

Water Solubility: soluble

pH: No information found.

Flammability: flammable solid

Flash point: no information found

Ignition temperature: No information found.

Autoignition temperature: No information found.

Lower explosion limit: No information found.

Upper explosion limit: No information found.

Stability and Reactivity

Stability: Stable at normal room temperature and pressure.

Conditions to Avoid: Dust generation

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Carbon oxides and sulfur oxides

Hazardous Polymerization: Has not been reported.

Toxicological Properties

Exposure Limits:

Oral, rat LD₅₀ = 1288 mg/kg

Dermal, rabbit LD₅₀ = 580 mg/kg

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA.

Ecological Information

Ecotoxicity:

Fish: *Oncorhynchus mykiss* (rainbow trout): LC₅₀: 3.6 mg/l, 96 h

Algae: No information found.

Disposal Considerations

Waste Disposal: Care should be exercised when burning in chemical incinerator as this substance is flammable. Observe all Federal, provincial and local regulations.

Transportation Information

Shipping Information:

US DOT:

UN number: 1325

CLASS: 4.1

Packing Group: III

Shipping name: Flammable solids, organic, n.o.s. (Sodium dodecyl sulfate)

IMDG

UN number: 1325

CLASS: 4.1

Packing Group: III

Shipping name: Flammable solids, organic, n.o.s. (Sodium dodecyl sulfate)

Regulatory Information

Canada:

WHMIS:

B4: Flammable solid

D1B: Toxic Material causing Immediate and Serious Toxic Effects.

Toxic by skin absorption

D2B: Toxic material Causing Other Toxic Effects

Moderate skin irritant

Moderate eye irritant

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.

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www.hoeferinc.com

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