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Material Safety Data Sheet Dodecyl Sodium Sulfate

ACC# 08485

Section 1 - Chemical Product and Company Identification

MSDS Name: Dodecyl Sodium Sulfate
Catalog Numbers: BP166 100, BP166 5, BP166 500, BP166-100, BP166-5, BP166-500, BP166100, BP1665, BP166500, NC9471987, NC9516272, O2674 25, O2674-25, O267425, S529 3, S529 500, S529-3, S529-500, S5293, S529500, S799941, S799942, s79942
Synonyms: Sodium dodecyl sulfate, Sulfuric acid monododecyl ester sodium salt, Sodium lauryl sulfate
Company Identification:
 Fisher Scientific
 1 Reagent Lane
 Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
151-21-3	SODIUM LAURYL SULFATE	100.0	205-788-1

Hazard Symbols: XN
Risk Phrases: 22 36/37

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white to cream. **Danger!** Causes skin burns. Causes eye burns. Causes digestive tract burns. Causes respiratory tract irritation. May cause allergic skin reaction. May be harmful if swallowed. This substance has caused adverse reproductive and fetal effects in animals.

Target Organs: None.

Potential Health Effects

Eye: Causes eye burns.

Skin: Causes skin burns. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion: May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea. May cause burns to the digestive tract.

Inhalation: Dust is irritating to the respiratory tract.

Chronic: Prolonged or repeated skin contact may cause defatting and dermatitis.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

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

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

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

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Firefighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

NFPA Rating: Not published. Explosion Limits, Lower: Not available. Upper: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Ground and bond containers when transferring

material. Do not get on skin or in eyes. Avoid ingestion and inhalation.
Storage: Keep away from heat, sparks, and flame. Keep away from heat and flame. Store in a cool, dry place. Store in a tightly closed container. Keep from contact with oxidizing materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
SODIUM LAURYL SULFATE	none listed	none listed	none listed

OSHA Vacated PELs: SODIUM LAURYL SULFATE: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: 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.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: white to cream
Odor: mild odor
pH: 8-10 for 1% solution
Vapor Pressure: Negligible.
Vapor Density: Not available.
Evaporation Rate:
Viscosity: Not available.
Boiling Point: Not applicable.
Freezing/Melting Point:204 - 207C
Decomposition Temperature:Not available.
Solubility: 10% in water.
Specific Gravity/Density:0.40
Molecular Formula:C12H25O4SNa
Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability: Stable.
Conditions to Avoid: Incompatible materials, ignition sources, temperatures above 500C.
Incompatibilities with Other Materials: Strong oxidizing agents, mineral acids.
Hazardous Decomposition Products: Carbon monoxide, oxides of sulfur, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 151-21-3: WT1050000
LD50/LC50:
 CAS# 151-21-3:
 Oral, rat: LD50 = 1288 mg/kg;
 Skin, rabbit: LD50 = >10 gm/kg;
Carcinogenicity:
 CAS# 151-21-3: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: No data available.
Teratogenicity: Causes teratogenic effects in laboratory animals.
Reproductive Effects: Causes reproductive effects in laboratory animals.
Neurotoxicity: No data available.
Mutagenicity: No data available.
Other Studies: No data available.

Section 12 - Ecological Information

Ecotoxicity: Not available.
Environmental Fate: Not available.
Physical/Chemical: Not available.
Other: Not available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: None listed.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	No information available.	No information available.	No information available.	No information available. No information available.	
Hazard Class:					
UN Number:					
Packing Group:					

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 151-21-3 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

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 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 151-21-3: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 151-21-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XN

Risk Phrases:

R 22 Harmful if swallowed. R 36/37 Irritating to eyes and respiratory system.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

WGK (Water Danger/Protection)

CAS# 151-21-3: 2

Canada

CAS# 151-21-3 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of D2B.

CAS# 151-21-3 is not listed on Canada's Ingredient Disclosure List.

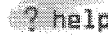
Exposure Limits

Section 16 - Additional Information

MSDS Creation Date: 6/12/1995

Revision #9 Date: 2/04/1998

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