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

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent</th>
<th>EINECS/ELINCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>151-21-3</td>
<td>SODIUM LAURYL SULFATE</td>
<td>100.0</td>
<td>205-788-1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM LAURYL</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
<tr>
<td>SULFATE</td>
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</table>

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 29 CFR 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 - 207°C
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 500°C.
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. 
Environental 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

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<tr>
<th></th>
<th>US DOT</th>
<th>IATA</th>
<th>RID/ADR</th>
<th>IMO</th>
<th>Canada</th>
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<td>Hazard Class:</td>
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<td>UN Number:</td>
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<tr>
<td>Packing Group:</td>
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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 depleters. This material does not contain any Class 2 Ozone depleters.

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

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.
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