

**** MATERIAL SAFETY DATA SHEET ****

Dodecyl Sulfate, Sodium Salt (Sodium Lauryl Sulfate), 85% as C₁₂H₂₅NaO₄S
96062

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Dodecyl Sulfate, Sodium Salt (Sodium Lauryl Sulfate), 85% as
C₁₂H₂₅NaO₄S

Catalog Numbers:

AC226140000, AC226141000, AC226145000

Synonyms:

Sodium Dodecyl Sulfate, Sulfuric Acid Monododecyl Ester Sodium Salt,
Sodium Lauryl Sulfate

Company Identification: Fisher Scientific UK
Bishop Meadow Road, Loughborough
Leics. LE11 5RG

For information, call: (01509) 231166

For emergencies, call: 01509 231166

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
151-21-3	DODECYL SULFATE, SODIUM SALT	85	205-788-1
7732-18-5	Water	Balance	231-791-2

Hazard Symbols: XN

Risk Phrases: 22 36/38

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Harmful if swallowed. Irritating to eyes and skin.

Potential Health Effects

Eye:

Causes moderate eye irritation.

Skin:

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

Ingestion:

May cause nausea and vomiting. May be harmful if swallowed.

Inhalation:

May cause irritation of the respiratory tract with burning pain in
the nose and throat, coughing, wheezing, shortness of breath and
pulmonary edema.

Chronic:

Prolonged or repeated eye contact may cause conjunctivitis.

Prolonged or repeated skin contact may cause defatting and

dermatitis.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

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. Wash mouth out with water.

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:

**** SECTION 5 - FIRE FIGHTING 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.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam. Use agent most appropriate to extinguish fire.

**** 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. Flush spill area with water.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Storage:

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.

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 yellow white
Odor:	Mild odor.
pH:	8-10 for 1% solution
Vapor Pressure:	Negligible.
Viscosity:	Not available.
Boiling Point:	Not applicable.
Freezing/Melting Point:	204 - 207C
Autoignition Temperature:	Not applicable.
Flash Point:	Not applicable.
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	Not available.
Solubility in water:	10% in water.
Specific Gravity/Density:	0.40
Molecular Formula:	C ₁₂ H ₂₅ O ₄ SNa
Molecular Weight:	288.2224

**** SECTION 10 - STABILITY AND REACTIVITY ****

- Chemical Stability:**
Stable under normal temperatures and pressures.
- Conditions to Avoid:**
Incompatible materials, ignition sources, excess heat, temperatures above 50 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 unlisted.

CAS# 7732-18-5: ZC0110000

LD50/LC50:

Not available.

CAS# 7732-18-5: Oral, rat: LD50 = >90 mL/kg.

Carcinogenicity:

DODECYL SULFATE, SODIUM SALT -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Water -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

Safety Phrases:

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

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...

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 151-21-3: 2

CAS# 7732-18-5: No information available.

United Kingdom Occupational Exposure Limits

Canada

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

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 151-21-3 is listed on Canada's Ingredient Disclosure List.

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

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

CAS# 7732-18-5 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 12/19/1997 Revision #1 Date: 8/02/2000

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 the company 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 the company has been advised of the possibility of such damages.

