

MATERIAL SAFETY DATA SHEET
Dodecyl sulfate, sodium salt

Section 1 - Chemical Product and Company Identification

MSDS Name:	Dodecyl sulfate, sodium salt
Catalog Numbers:	22614-0000, 22614-1000, 22614-5000, 23042-0000, 23042-0250, 23042-1000, 23042-5000, 32731-0000, 32731-5000, 41953-0000, 41953-0010, 41953-0250, 41953-1000
Synonyms:	Dodecyl Sodium Sulfate; SDS; Sodium lauryl sulfate
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
151-21-3	Dodecyl sulfate, sodium salt	85-100	205-788-1

Hazard Symbols: XN F



Risk Phrases: 11 22 36/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Highly flammable. Harmful if swallowed. Irritating to eyes and skin.

Potential Health Effects

- Eye:** Causes moderate eye irritation.
- Skin:** Causes severe skin irritation. May be harmful if absorbed through the skin.
- Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract. May cause nausea and vomiting.
- Inhalation:** Causes respiratory tract irritation. May cause allergic respiratory reaction. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. May be harmful if inhaled.

Chronic: Prolonged or repeated eye contact may cause conjunctivitis.

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 water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move 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 - 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. Will burn if involved in a fire. Flammable solid.

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

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. Remove all sources of ignition. Use a spark-proof tool.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

CAS# 151-21-3:

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective 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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Crystals

Color: white - pale yellow

Odor: faint odor

pH: 8.5-10 (1% aq.sol.)

Vapor Pressure: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: 206 deg C (402.80°F)

Autoignition Temperature: Not available

Flash Point: > 100 deg C (> 212.00 deg F)

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

Decomposition Temperature: Not available

Solubility in water: ca. 150 g/l (20°C)

Specific Gravity/Density:

Molecular Formula: C12H25NaO4S

Molecular Weight: 288.38

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	High temperatures, incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents, strong acids, strong bases, mineral acids.
Hazardous Decomposition Products	Carbon monoxide, oxides of sulfur, carbon dioxide, sodium oxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 151-21-3: WT1050000
LD50/LC50:	RTECS: CAS# 151-21-3: Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, eye: 250 ug Mild; Draize test, rabbit, eye: 2 mg; Draize test, rabbit, eye: 10 mg Moderate; Draize test, rabbit, skin: 50 mg/24H Severe; Draize test, rabbit, skin: 25 mg/24H Moderate; Draize test, rabbit, skin: 250 mg/24H Moderate; Draize test, rabbit, skin: 10 mg/24H; Draize test, rabbit, skin: 50 mg/24H Mild; Inhalation, rat: LC50 = >3900 mg/m ³ /1H; Oral, rat: LD50 = 1288 mg/kg; . Other:
Carcinogenicity:	Dodecyl sulfate, sodium salt - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Other: Biodegradable. Avoid entering into waters or underground water. Do not empty into drains.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	FLAMMABLE SOLID, ORGANIC, N.O.S.*	FLAMMABLE SOLID, ORGANIC, N.O.S.	FLAMMABLE SOLID, ORGANIC, N.O.S.
Hazard Class:	4.1	4.1	4.1
UN Number:	1325	1325	1325
Packing Group:	III	III	III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN F

Risk Phrases:

R 11 Highly flammable.

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 151-21-3: 2

Canada

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

US Federal

TSCA

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

Section 16 - Other Information

MSDS Creation Date: 10/14/1996

Revision #3 Date 7/01/2004

Revisions were made in Sections: General revision.

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