

MATERIAL SAFETY DATA SHEET

SODIUM DODECYL SULFATE

(SDS)

I IDENTIFICATION:

BioShop Canada Inc.
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Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832
Chemical Name: Sodium Dodecyl Sulfate
Catalog Number: SDS001/SDS003
Molecular Formula: C₁₂H₂₅NaO₄S
Molecular Weight: 288.38
WHMIS Classification: D2B
TSCA Status: LISTED

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Sodium Dodecyl Sulfate	151-21-3	>99%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: respiratory system, eyes.

Eyes: Causes irritation..

Skin: Causes irritation.

Inhalation: Causes severe irritation to respiratory tract. Will cause coughing, shortness of breath and lung edema.

Ingestion: Causes irritation to GI tract with diarrhea and vomiting. Harmful if swallowed.

CHRONIC HEALTH HAZARDS: Allergic reactions may occur.

Exposure Limits:

Oral, rat :LD50= 1288 mg/kg

Inhalation, rat LC50= >3900mg/m³/1H

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water .

Skin: In case of contact, flush area immediately with water.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration.

Ingestion: Wash mouth with water. Do not induce vomiting.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Flash Point: N/A

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

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: excess heat, dust generation.

Incompatibility: strong oxidizing agents.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide, oxides of sulfur.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: solid

Appearance and Odor: white .

Melting Point: 204-207° C

Boiling Point: decomposes

Specific Gravity: 1.1060

Vapor Density: N/A

Water Solubility: yes,

pH: 9.5 (1% aq soln)

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature..

Label Hazard Warning: Harmful, other toxic effects. Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan. 3/2012

Phone: (800) 234-1179

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