

# SAFETY DATA SHEET

## SODIUM DODECYL SULFATE

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**  
**Emergency Telephone No.: 905-466-3832**  
**Chemical Name:** Sodium dodecyl sulfate  
**Synonym:** Sodium Lauryl sulfate  
**Catalog Number:** SDS001/SDS003/SDS999

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification

#### CLASSIFICATION:

Flammable solid, Category 1  
Acute toxicity Oral, Category 4  
Skin irritant Category 2  
Eye irritant Category 2  
Specific target organ toxicity-single exposure, 3, respiratory system

#### PICTOGRAM:



**SIGNAL WORD:** Danger

#### HAZARD STATEMENTS:

H228-Flammable solid  
H302-Harmful if swallowed  
H315- Causes skin irritation  
H318- Causes serious eye irritation  
H335- May cause respiratory irritation

#### PRECAUTIONARY STATEMENTS:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
P305 + P351 + P338 + P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.

#### Potential Health Effects:

**Target Organs:** lungs, eyes, skin

**Eyes:** Causes eye irritation.

**Skin:** Irritating to skin.

**Ingestion:** May be harmful if swallowed

**Inhalation:** Harmful if inhaled.

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	EC-No.	%
Sodium dodecyl sulfate	151-21-3	205-788-1	95-100

**Molecular Formula:** C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S

**Molecular Weight:** 288.38

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water. Consult a physician.

**Skin:** In case of contact, flush area immediately with water. Get medical aid if irritation persists.

**Inhalation:** Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..

**Ingestion:** Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammability:** Flammable solid. Keep away from heat/sparks/open flame/hot surface

**Flash Point:** >100C

**Autoignition Temperature:** not determined

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

**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions:

Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.

#### Methods for containment and clean up:

If safe to do so, contain further leakage. Sweep and place in a closed container. Avoid sources of ignition and electrostatic charge. Dispose according to local regulations.

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### SECTION 7 HANDLING AND STORAGE

**Handling:** Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Storage Conditions:** Room temperature. Keep cool and dry.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:**

ACGIH, NIOSH, OSHA, none listed

Use adequate ventilation. Avoid dust generation..

**Personal protective Equipment:** Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.

**Engineering Measures:** eye wash stations, ventilation systems, showers

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** fine white powder

**Odor:** no information found

**Odor Threshold:** : no information found

**Melting Point:** 204-207

**Boiling Point:** no information found

**Specific Gravity:** no information found

**Vapor Density:** no information found

**Vapor pressure:** no information found

**Water Solubility:** soluble

**pH:** no information found

**Flammability:** flammable solid

**Flash point:** no information found

**Ignition temperature:** no information found

**Autoignition temperature:** no information found

**Lower explosion limit:** no information found

**Upper explosion limit:** no information found

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure

**Conditions to avoid:** dust generation

**Incompatibility** strong oxidizing agents.

**Hazardous Decomposition Products:** carbon oxides and sulfur oxides.

**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**

Oral, rat LD50=1288 mg/kg

Dermal, rabbit LD50= 580 mg/kg

**Epidemiology:** No data available

**Teratogenicity:** No data available

**Reproductive Effects:** No data available

**Neurotoxicity:** No data available

**Mutagenicity:** No data available

**Carcinogenicity:** not listed by ACGIH, IARC, NTP, or CA

### SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:**

Fish: *Onocorhynchus mykiss* (rainbow trout): LC50: 3.6mg/l-96h

Algae: no information found

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Care should be exercised when burning in chemical incinerator as this substance is flammable.. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:**

**DOT (US):**

UN number: 1325

CLASS: 4.1

Packing Group: III

Shipping name: Flammable solids, organic, n.o.s. (Sodium dodecyl sulfate)

**IMDG**

UN number: 1325

CLASS: 4.1 Packing Group: III

Shipping name: Flammable solids, organic, n.o.s. (Sodium dodecyl sulfate)

**IATA:**

UN number: 1325

CLASS: 4.1

Packing Group: III

Shipping name: Flammable solids, organic, n.o.s. (Sodium dodecyl sulfate)

### SECTION 15 REGULATORY INFORMATION

**Canada:**

WHMIS:

B4: flammable solid

D1B, Toxic Material causing Immediate and Serious Toxic Effects

Toxic by skin absorption

D2B, Toxic material Causing Other Toxic Effects

Moderate skin irritant

Moderate eye irritant

### SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

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