

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: C₁₂H₂₅NaO₄S

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

The information provided on this Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product. Observe all federal, provincial and state laws concerning health, safety and pollution.