

SAFETY DATA SHEET

SODIUM AZIDE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Sodium azide
Catalog Number: SAZ001

Inhalation: May be fatal if inhaled, material is irritating to mucous membranes and upper respiratory tract. Rapidly absorbed. Can cause hypertension, edema and collapse.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Sodium Azide	26628-22-8	100

Molecular Formula: N₃Na
Molecular Weight: 65.01

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Acute toxicity, Oral, Category 2
Acute toxicity, dermal, category 1
Acute toxicity, Inhalation Category 2
Acute aquatic toxicity, Category 1
Chronic aquatic toxicity, Category 1

Pictogram:



Signal word: Danger

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled .
H410 Very toxic to aquatic life with long lasting effects..

Precautionary statements:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
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.
P391 Collect spillage.
P501 Dispose of contents/ container to an approved waste disposal plant.

Target Organs: Central nervous system, lungs, eyes, skin

Eyes: Causes eye irritation. may cause systemic effects.

Skin: Irritating to skin. May be fatal if absorbed Similar symptoms to ingestion.

Ingestion: Very toxic. May be fatal if ingested. . Causes GI irritation, nausea, vomiting and diarrhea. May cause hypertension, convulsions and headaches.

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. GET MEDICAL ATTENTION

Skin: In case of contact, flush area immediately with soap and water while removing contaminated clothing and shoes. Wash clothing before reuse. Discard contaminated clothing in a manner which limits further exposure. GET MEDICAL ATTENTION.

Inhalation: GET MEDICAL ATTENTION IMMEDIATELY. Remove from exposure to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed wash mouth out with water if person is conscious. GET MEDICAL ATTENTION. Do Not induce vomiting.

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

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

Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

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

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL

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PROTECTION

Exposure limits:
TWA: 0.29mg/m3 Canada
Use adequate ventilation. AVOID DUST GENERATION.
Wear appropriate protective equipment to prevent eye and skin exposure.
Wear appropriate respirator to prevent lung irritation.
Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems. Use fume hood
Respiratory protection: use OSHA/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: crystals
Appearance/odor: colorless to white, odorless
pH: N/A
Vapor density: 2.2
Freezing pt.: 527 F
Solubility: soluble in water.
Specific Gravity: 1.85

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure
Conditions to avoid: dust generation
Incompatibility: Halogenated hydrocarbon, metals, acids, acid chlorides, Hydrazine, dimethyl sulfate, inorganic acid chlorides
Hazardous Decomposition Products: sodium oxides.
Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Toxicity Data: IHL-mouse LC50: 32400 ug/M3/
IHL-Rat LC50: 37mg/kg
ORL-Mouse LD50: 27 mg/kg
ORL-Rat LD50: 27 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 OSHA

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:
Toxicity to fish
LC50 - Pimephales promelas (fathead minnow) - 5.46 mg/l - 96 h
Toxicity to algae
EC50 - Pseudokirchneriella subcapitata - 0.35 mg/l - 96 h

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

TDG (Canada)
UN number: 1687 Class: 6.1 Packing group: II
Proper shipping name: SODIUM AZIDE

IATA
UN number: 1687 Class: 6.1 Packing group: II
Proper shipping name: SODIUM AZIDE

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed
European/International: N/A
Canada: N/A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)
Date Prepared: Dec 29/2021
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.