

MATERIAL SAFETY DATA SHEET

SODIUM AZIDE

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 613-996-6666
Chemical Name: Sodium azide
Catalog Number: SAZ001
Molecular Formula: N3Na
Molecular Weight: 65.01
WHMIS Classification: D1B, D2A
TSCA Status: Listed on the TSCA Inventory

II HAZARDOUS INGREDIENTS:

	CAS #	RTECS	%
Sodium Azide	26628-22-8		>99%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

POISON

Potential Health Effects: Very toxic by inhalation, in contact with skin and if swallowed.

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.

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

CHRONIC HEALTH HAZARDS: May cause all of the above symptoms.

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 info.

Carcinogenicity: No info.

Reproductive effects: No info.

Neurotoxicity: No info.

IV FIRST AID MEASURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes.

GET MEDICAL ATTENTION

Skin: Immediately flush area with soap and water. Remove contaminated clothing. 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. CALL POISON CENTER->

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Extinguishing Media: Use carbon dioxide, dry chemical powder or appropriate foam.

Explosion Data: In case of fire, vapors may form explosive mixture with air. Forms hydrazoic acid which highly toxic and explosive.

VI REACTIVITY:

Stability: Stable under normal temperature and pressure. Do not flush down drain. Reacts with copper, lead, brass or solder in plumbing system to form explosive products.

Hazardous Combustion or Decomposition Products: Keep away from heat sources. Forms hydrazoic acid which is explosive and toxic.

Hazardous Polymerization: Will not occur.

VII PHYSICAL DATA:

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

VIII PREVENTIVE MEASURES:

Respiratory protection: Wear appropriate NIOSH/MSHA approved respirator, chemical resistant gloves, safety goggles and protective clothing.

Leak and Spill Procedures: Evacuate the area. Ventilate the area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Absorb with sand or vermiculite and place in closed containers for disposal. Wash spill site after material pickup is complete.

Waste Disposal: See local authorities for proper disposal procedures. Do not flush down drain.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Storage Conditions: Store in a cool dry place. Keep tightly closed. Avoid ignition sources.

Label Hazard Warning: Very toxic by inhalation, ingestion and in contact with skin. POISON.

Shipping Information: CLASS: 6.1 PKG: II, UN 1687
Regulated

IX PREPARATION OF MSDS:

Prepared By: M. Kierdelewicz (President)

Date: Dec 3/2011

Phone: (800) 234-1179

The information provided on this Material 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.