

MATERIAL SAFETY DATA SHEET

SODIUM HYDROXIDE, 1N SOLUTION

I IDENTIFICATION:

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

Emergency Telephone No.: 905-466-3832
Chemical Name: Sodium Hydroxide, 1N SOLUTION
Catalog Number: SHY888
Molecular Formula: NaOH
Molecular Weight: 40.0
WHMIS Classification: E
TSCA Status: Listed on the TSCA Inventory

II HAZARDOUS INGREDIENTS:

	CAS #	RTECS #	%
Sodium Hydroxide	1310-73-2	WB4900000	4%
Water	7732-18-5		96%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Danger: Causes eye and skin burns Corrosive.
Target organs: Eyes, skin, mucous membranes

Routes of entry: Eyes, skin, inhalation, Ingestion.
Eyes: Causes eye burns. May cause irreversible eye injury. Contact may cause Ulceration of the conjunctiva and cornea. Causes redness and pain.
Skin: Causes skin burns
Inhalation: Harmful if inhaled. Inhalation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty and possible coma.
Ingestion: Harmful if swallowed. May cause severe and permanent damage to the digestive tract. May cause circulatory system failure. May cause perforation of the digestion tract.

CHRONIC HEALTH HAZARDS: Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis. Effects may be delayed.

IV 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.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No
Flash Point: N/A
Extinguishing Media: Material not combustible. Use appropriate Extinguishing for the surrounding area.
Explosion Data: Not available

VI REACTIVITY:

Stability: Stable.
Incompatibility: Corrosive to metals such as aluminum, tin and zinc to cause formation of flammable hydrogen gas, moisture.
Hazardous Decomposition Products: Oxides of sodium, hydrogen gas.
Hazardous Polymerization: Will not occur.

VII PHYSICAL DATA:

Physical State: Liquid
Appearance and Odor: odorless
Melting Point: >0° C
Boiling Point: >100C
Specific Gravity: >1.0
Vapor Density: N/A
Water Solubility: soluble
pH: approx. 13.3

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems.
Respiratory protection: use OSHA/MSHA approved respirator.
Leak and Spill Procedures: Vacuum or sweep up material and place in a suitable disposal container. Clean up spills immediately. Avoid generating dust. Provide ventilation.
Waste Disposal: Follow local state and hazardous waste regulations.
Other precautions: Wash thoroughly after handling. Do not breathe dust, vapor, Mist or gas. Do not get in eyes, on skin or on clothing. Keep container tightly Closed. Do not ingest or inhale. Use only in chemical fume hood. Discard contaminated shoes.
Storage Conditions: Store in a cool, dry place. Keep container closed when not in use. Store in a tightly closed container.
Label Hazard Warning: Wear suitable gloves, eye/face protection. Seek medical advice immediately.
Shipping Information: SODIUM HYDROXIDE SOLUTION, CLASS 8, UN1824 PACKING GROUP II

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 6/2012
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.

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Observe all federal, provincial and state laws concerning health, safety and pollution.