

BioShop Canada Inc.

MATERIAL SAFETY DATA SHEET

SODIUM NITRATE

I IDENTIFICATION:

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

Emergency Telephone No.: 905-466-3832

Chemical Name: Sodium nitrate

Catalog Number: SON001

Molecular Formula: NNaO3

Molecular Weight: 84.99

WHMIS Classification: C, D2B

TSCA Status: Listed on the TSCA Inventory

II HAZARDOUS INGREDIENTS:

	CAS #	RTECS	%
Sodium Nitrate	7631-99-4		>99%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

DANGER: Strong oxidizer. May cause fire when in contact with other material. Causes eye, skin, GI and respiratory tract burns. May be harmful if swallowed.

Potential Health Effects: Target Organs: Eyes, skin and mucous membranes.

Eyes: May cause eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause irritation to GI tract. May be harmful if swallowed. May cause cyanosis.

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

CHRONIC HEALTH HAZARDS: May cause all of the above symptoms. May cause reproductive and fetal effects. Can react with secondary amines to form nitrosamines which are suspected carcinogens.

Toxicity Data:

Oral rat: LD50= 1267 mg/kg

Oral rabbit: LD50= 2680 mg/kg

Oral mouse; LD50=3500 mg/kg

Epidemiology: Yes. Tumorigenic in rat.

Carcinogenicity: not listed.

Reproductive effects: Yes. Birth effects in mouse.

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> Do Not induce vomiting.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Extinguishing Media: Use water only. Call fire department. Do not use dry chemicals, CO2 or foam.

Explosion Data: no data available

VI REACTIVITY:

Stability: Stable under normal temperature and pressure.

Conditions to avoid: moisture. Excessive heat. Dust generation.

Incompatibilities: reducing agents acids, amines, moisture, air.

Hazardous Combustion or Decomposition Products: Nitrogen oxides.

Toxic and irritating gases and fumes.

Hazardous Polymerization: Will not occur.

VII PHYSICAL DATA:

Physical State: solid

Appearance/odor: white. Odorless

pH: 5.5-8.0 (5% aq soln.)

Vapor density: N/A

Vapor pressure: N/A

Viscosity: N/A

Freezing /Melting pt.: 306C

Boiling pt.: 380C

Decomposition temp: 380C

Solubility: soluble in water.

Specific Gravity: 2.26

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. Avoid moisture

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

Shipping Information: SODIUM NITRATE, CLASS: 5.1 PKG: III, UN 1498 Regulated

IX PREPARATION OF MSDS:

Prepared By: M. Kierdelewicz (President)

Date: 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

BioShop Canada Inc.

MATERIAL SAFETY DATA SHEET

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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.