

# SAFETY DATA SHEET

## SODIUM NITRATE

### 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 nitrate  
Catalog Number: SON001

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

Molecular Formula:  $\text{NNaO}_3$   
Molecular Weight: 84.99

### 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:** not flammable, oxidizer  
**Flash Point:** not determined  
**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. Dispose according to local regulations.

### 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 2 HAZARDS IDENTIFICATION

#### GHS Classification

**CLASSIFICATION:**  
Oxidizing solids (Category 3)  
Eye irritation (Category 2A)

#### PICTOGRAM:



**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS:**  
H272 May intensify fire; oxidizer.  
H319 Causes serious eye irritation.

#### PRECAUTIONARY STATEMENTS:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P220 Keep away from clothing and other combustible materials.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Potential Health Effects:

Inhalation: may be harmful if inhaled.  
Skin: may be harmful if absorbed through skin  
Eyes: causes eye irritation  
Ingestion: May be harmful if swallowed

### SECTION 3 COMPOSITION/ INGREDIENTS

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** solid  
**Appearance/odor:** white. Odorless

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**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

WHMIS:  
D2B, Toxic material Causing Other Toxic Effects  
Moderate eye irritant

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| <b>SECTION 16</b> | <b>ADDITIONAL INFORMATION</b> |
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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.

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| <b>SECTION 10</b> | <b>STABILITY AND REACTIVITY:</b> |
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**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility** strong oxidizing agents, reducing agents.  
**Hazardous Decomposition Products:** fumes of carbon monoxide, carbon dioxide .  
**Hazardous Polymerization:** Has not been reported

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| <b>SECTION 11</b> | <b>TOXICOLOGICAL PROPERTIES</b> |
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**Exposure Limits:**

Oral rat: LD50= 1267 mg/kg  
Oral rabbit: LD50= 2680 mg/kg  
Oral mouse; LD50=3500 mg/kg

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:**, No data available

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| <b>SECTION 12</b> | <b>ECOLOGICAL INFORMATION</b> |
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**Ecotoxicity:**  
Toxic to rainbow trout, toxic to Daphnia

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| <b>SECTION 13</b> | <b>DISPOSAL CONSIDERATION</b> |
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**Waste Disposal:** Care should exercised when burning in chemical incinerator.. Observe all Federal, provincial and local regulations.

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| <b>SECTION 14</b> | <b>TRANSPORT INFORMATION</b> |
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**Shipping Information:**

DOT (US) UN number: 1498 Class: 5.1 Packing group: III Proper shipping name: Sodium nitrate Reportable Quantity (RQ): Poison Inhalation Hazard: No IMDG UN number: 1498 Class: 5.1 Packing group: III EMS-No: F-A, S-Q Proper shipping name: SODIUM NITRATE

IATA UN number: 1498 Class: 5.1 Packing group: III Proper shipping name: Sodium nitrate

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| <b>SECTION 15</b> | <b>REGULATORY INFORMATION</b> |
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**Canada:**