

BioShop Canada Inc.

MATERIAL SAFETY DATA SHEET

SPERMIDINE

I IDENTIFICATION:

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

Emergency Telephone No.: 905-466-3832

Chemical Name: Spermidine

Catalog Number: SPR068

Molecular Formula: C7H19N3

Molecular Weight: 145.25

WHMIS Classification: E

TSCA Status: Listed on the TSCA Inventory

II HAZARDOUS INGREDIENTS:

| | CAS # | RTECS | % |
|------------|----------|-------|------|
| Spermidine | 124-20-9 | | >99% |

III HAZARDS/TOXICOLOGICAL PROPERTIES:

DANGER: Corrosive

Potential Health Effects: Cause eye and skin burns

Target Organs: No info.

Eyes: Causes eye burns. May cause corneal damage.

Skin: Causes burns. May cause rash..

Ingestion: Causes burns to GI tract. May cause permanent damage to GI tract..

Inhalation: Causes burns to respiratory tract. May be fatal. May cause edema, headache, nausea and vomiting.

CHRONIC HEALTH HAZARDS: Effects may be delayed.

Toxicity Data:

LD50/LC50: no info found.

Epidemiology: no info found

Carcinogenicity: no info found

Reproductive effects: no info found.

Neurotoxicity: No info found.

IV FIRST AID MEASURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION. Do not rub eyes.

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, chemical or foam

Explosion Data: not available

VI REACTIVITY:

Stability: Stable under normal temperature and pressure.

Conditions to avoid: moisture excessive heat.

Incompatibilities: oxidizing reagents, acids acid anhydrides.

Hazardous Combustion or Decomposition Products: Nitrogen oxides. Carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

VII PHYSICAL DATA:

Physical State: liquid above room temperature

Appearance/odor: white

pH: N/A

Vapor density: N/A

Vapor pressure: N/A

Freezing /Melting pt.: 22-25C

Boiling pt.: 128-130C

Viscosity: N/A

Solubility: soluble in water.

Specific Gravity: N/A

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: Corrosive. Causes burns

Shipping Information: CORROSIVE LIQUID NOS (SPERMIDINE)
CLASS 8, UN 1760, PACKING GROUP II

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 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.