

# SAFETY DATA SHEET

## TRICINE

### N-Tris(Hydroxymethyl)methylglycine)

#### 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: TRICINE**  
**Synonym: N-Tris(Hydroxymethyl)methylglycine)**  
**Catalog Number: TRI001, TRI003, TRI005**

#### SECTION 2 HAZARDS IDENTIFICATION

**GHS Classification:**  
**Not hazardous according to GHS**

**Target Organs:** . eyes, skin and respiratory system  
**Eyes:** Causes serious irritation..  
**Skin:** Causes irritation.  
**Inhalation.** May cause irritation to respiratory tract. The toxicological properties of this product have not been fully investigated.  
**Ingestion:** may cause irritation to GI tract if swallowed. The toxicological properties of this product have not been fully investigated.

**CHRONIC HEALTH HAZARDS:** none known

#### SECTION 3 COMPOSITION/ INGREDIENTS

|         | CAS #    | %    |
|---------|----------|------|
| TRICINE | 507-04-1 | >99% |

**Molecular Formula:** C<sub>6</sub>H<sub>13</sub>NO<sub>5</sub>  
**Molecular Weight:** 179.2

#### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with 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. Get medical aid if irritation persists.  
**Ingestion:** Wash mouth with water. Get medical aid if any symptoms appear.

#### SECTION 5 FIRE FIGHTING MEASURES

**Flammability:** not flammable  
**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:

Contain further leakage. Sweep and place in a closed container.. Dispose according to local regulations

#### SECTION 7 HANDLING AND STORAGE

**Handling:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.  
**Storage Conditions:** Room temperature. Hygroscopic. Keep cool and dry.

#### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:  
ACGIH, NIOSH, OSHA, none listed  
Use adequate ventilation. Avoid dust generation..  
Wear appropriate protective equipment to prevent eye and skin exposure.  
Wear appropriate respirator to prevent lung irritation.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** white crystalline solid  
**Odor:** no information found  
**Odor Threshold:** : no information found  
**Melting Point:** 181-187C  
**Boiling Point:** no information found  
**Specific Gravity:** no information found  
**Vapor Density:** no information found  
**Vapor pressure:** no information found  
**Water Solubility:** yes  
**pH:** 4.6-5.2  
**Flash point:** no information found  
**Ignition temperature:** no information found  
**Autoignition temperature:** no information found  
**Lower explosion limit:** no information found  
**Upper explosion limit:** no information found

#### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility** strong oxidizing agents.  
**Hazardous Decomposition Products:** carbon dioxide, carbon monoxide and nitrogen oxides.  
**Hazardous Polymerization:** Has not been reported

#### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

Oral, rat LD50=5.9g/kg

**Epidemiology:** No data available

**Teratogenicity:** No data available

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**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:** not listed by ACGIH, IARC, NTP, or CA

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| <b>SECTION 12</b> | <b>ECOLOGICAL INFORMATION</b> |
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No information found.

|                   |                               |
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| <b>SECTION 13</b> | <b>DISPOSAL CONSIDERATION</b> |
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**Waste Disposal:** Burn 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):** not regulated  
**IMDG:** not regulated  
**IATA:** not regulated

|                   |                               |
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| <b>SECTION 15</b> | <b>REGULATORY INFORMATION</b> |
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**Canada:** WHMIS: not controlled

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| <b>SECTION 16</b> | <b>ADDITIONAL INFORMATION</b> |
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Prepared By: M.Kierdelewicz  
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Observe all federal, provincial and state laws concerning health, safety and pollution.