

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: C₆H₁₃NO₅
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

SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

DOT (US): not regulated
IMDG: not regulated
IATA: not regulated

SECTION 15 REGULATORY INFORMATION

Canada: WHMIS: not controlled

SECTION 16 ADDITIONAL INFORMATION

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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.