

SAFETY DATA SHEET

TRIS

Tris(Hydroxymethyl)aminomethane)

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: TRIS
Synonym: Tris(Hydroxymethyl)aminomethane)
Catalog Number: TRS001/TRS003

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Not hazardous according to GHS

Eyes: May cause irritation..
Skin: May cause 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 #	EC-No.	%
TRIS	77-86-1	201-064-4	95-100

Molecular Formula: C₁₄H₁₁NO₃
Molecular Weight: 121.14

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: 175-176C

Boiling Point: approx.. 219C

Density: approx. 1.328 gm/cm³

Specific Gravity: no information found

Vapor Density: no information found

Vapor pressure: no information found

Water Solubility: approx.. 50gm/100ml

pH: 10.5-12

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

SAFETY DATA SHEET

TRIS

Tris(Hydroxymethyl)aminomethane)

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Oral, rat LD50=5.9g/kg

Epidemiology: No data available

Teratogenicity: No data available

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

Prepared By: M.Kierdelewicz

Date Prepared: Dec 29/2021

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.