

SAFETY DATA SHEET

TRIS-BORATE-EDTA 5X CONCENTRATE

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-BORATE-EDTA 5X SOLUTION
Synonym: N/A
Catalog Number: TBE222
Recommended use: for research purposes

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification
Not considered hazardous according to GHS

Potential Health Effects:
Eyes: May cause irritation..
Skin: may cause irritation..
Inhalation: May be harmful if inhaled
Ingestion: May be harmful if swallowed..
CHRONIC HEALTH HAZARDS: none known

The toxicological properties of this product have not been fully investigated

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	EC-No.	%
Tris	77-86-1	201-064-4	approx 5
Boric acid	10043-35-3	233-139-2	2-3
EDTA disodium dihydrate	6381-92-6	205-358-3	<1
Water	7732-18-5	231-791-2	>90

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. Use absorbent material to clean up spills. Place in a suitable 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.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
ACGIH, NIOSH, OSHA, none listed
Use adequate ventilation. Avoid spills.
Boric acid: ACGIH, STEL 6mg/me

Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing..
Engineering Measures: eye wash stations.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after handling product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid
Odor: no information found
Odor Threshold: no information found
Melting Point: no information found
Boiling Point: no information found
Specific Gravity: no information found
Vapor Density: no information found
Vapor pressure: no information found
Water Solubility: yes
pH: no information found
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.

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Hazardous Decomposition Products: carbon dioxide, carbon monoxide and nitrogen oxides, sodium oxides, sulfur oxides.

Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Oral LD50: no information found

Inhalation LC50: no information found

Dermal LD50: no information found

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

Toxicity:

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

REACH Title VII restrictions: no information available.

US Federal Regulations:

Sara 313

Section 313 of title III of the Superfund Amendments and reauthorizations Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, part 372

Canada:

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

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz

Date Prepared: Jan 1/2025

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.