

SAFETY DATA SHEET

TRIS-BORATE-EDTA 10X 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 10X SOLUTION
Synonym: N/A
Catalog Number: TBE333, TBE444
Recommended use: for research purposes

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Not hazardous according to GHS

Target Organs: None known
Eyes: May cause irritation..
Skin: May cause skin irritation..
Inhalation: May be harmful if inhaled
Ingestion: May be harmful if swallowed..
CHRONIC HEALTH HAZARDS: none known

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	EC-No.	%
Tris	77-86-1	201-064-4	0.089M
Boric acid	10043-35-3	233-139-2	0.089M
EDTA disodium dihydrate	6381-92-6	205-358-3	0.002M
Water	7732-18-5	231-791-2	>95%

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.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide and

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nitrogen oxides, sodium oxides

Hazardous Polymerization: Has not been reported

SECTION 16	ADDITIONAL INFORMATION
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SECTION 11	TOXICOLOGICAL PROPERTIES
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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

Boric acid:

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Date Prepared: Jan 1/2025

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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.

SECTION 12	ECOLOGICAL INFORMATION
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Toxicity:

No information found.

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information:

DOT (US): not regulated

IMDG: not regulated

IATA: not regulated

SECTION 15	REGULATORY INFORMATION
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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: not controlled.