

# 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

### 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

Boric acid:

Prepared By: M.Kierdelewicz

Date Prepared: Oct 6/2022

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.

### 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: not controlled.