

# SAFETY DATA SHEET

## TCEP-HCl

(PROPANOIC ACID, 3,3',3"-PHOSPHINIDYNETRIS-HYDROCHLORIDE)

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**

**Emergency Telephone No.: 1-905-466-3832**

**Chemical Name: (PROPANOIC ACID, 3,3',3"-**  
**PHOSPHINIDYNETRIS-HYDROCHLORIDE)**

**Catalog Number: TCE101**

.P403+P233: Store in well – ventilated place. Keep container tightly closed.

#### Potential health effects:

**Eyes:** Causes eye burns.

**Skin:** Causes skin irritation. May cause burns.

**Inhalation:** Causes irritation. May cause burns.

**Ingestion:** May be harmful if swallowed.

#### CHRONIC HEALTH HAZARDS:

Corrosive. Causes severe eye and skin

Irritation. May cause burns.

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification:

Skin corrosion (Category 1A)

Serious eye damage (Category 2A)

Specific target organ toxicity-single exposure (Category 3) respiratory system

#### Pictogram:



**Signal word: Danger**

#### Hazard statement:

H314 Causes severe burns and eye damage

H318 Causes serious eye damage

H335 May cause respiratory irritation

#### Precautionary statements:

P261: Avoid breathing dust/ fumes/ gas/mist/ vapors/ spray.

P264 wash skin thoroughly after handling

P273 Avoid release to the environment.

P280: Wear protective gloves/ eye protection/ face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340+P310 IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
TCEP. HCL	51805-45-9	>98%

**Molecular Formula:** C9H15O6P.HCl

**Molecular Weight:** 286.65

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. GET MEDICAL ATTENTION

**Skin:** In case of contact, flush area immediately with soap and water while removing contaminated clothing and shoes. Wash clothing before reuse.

Discard contaminated clothing in a manner which limits further exposure. GET MEDICAL ATTENTION.

**Inhalation:** GET MEDICAL ATTENTION IMMEDIATELY. Remove from exposure to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed wash mouth out with water if person is conscious. GET MEDICAL ATTENTION. > Do Not induce vomiting.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** No

**Flash Point:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.

**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

**Leak and Spill Procedures:** Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container

### SECTION 7 HANDLING AND STORAGE

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**Handling:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation.

**Storage Conditions:** Room temperature.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

TWA Canada: No information

Use adequate ventilation..

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

**Personal Protection:** Lab coat, safety goggles, rubber gloves.

**Ventilation:** Local exhaust systems. Use fume hood

**Respiratory protection:** use OSHA/MSHA approved respirator.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Crystalline solid

**Appearance and Odor:** white , slight odor

**Melting Point:** 177C

**Boiling Point:** N/A

**Specific Gravity:** N/A

**Vapor Density:** N/A

**Water Solubility:** yes

**pH:** 5% solution 1.8

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal temperatures and pressure

**Conditions to avoid:** Heat, flames, sparks

**Incompatibility:** Strong oxidizing agents , amines, strong bases.

**Hazardous Decomposition Products:**

carbon dioxide,

**Hazardous Polymerization:** no information available

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50: Oral, rat: min. 3500mg/kg

#### Skin corrosion/irritation:

Skin, rabbit, causes irritation

#### Serious eye damage/eye irritation:

Eyes, rabbit, causes eye irritation

**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 OSHA

### SECTION 12 ECOLOGICAL INFORMATION

#### Toxicity:

No information available

### SECTION 13 DISPOSAL CONSIDERATION

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

### SECTION 14 TRANSPORT INFORMATION

#### DOT (US)

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

### SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

### SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

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