

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: Dec 29/2021

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