

# MATERIAL SAFETY DATA SHEET

## TRICHLOROACETIC ACID

### I IDENTIFICATION:

BioShop Canada Inc.  
4060 Fairview St Unit #6-8  
Burlington, Ontario L7L 4Y8  
1-800-234-1179

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

**Chemical Name:** Trichloroacetic acid

**Catalog Number:** TCA001

**Molecular Formula:** C<sub>2</sub>Cl<sub>3</sub>O<sub>2</sub>H

**Molecular weight:** 163.36

**WHMIS Classification:** E

**TSCA Status:** Listed on the TSCA Inventory

### II HAZARDOUS INGREDIENTS:

	CAS #	%
Trichloroacetic acid	76-03-9	100%

### III HAZARDS/TOXICOLOGICAL PROPERTIES:

**Target :** Skin, Inhalation, Ingestion. DANGER CORROSIVE.

**Eyes:** Very corrosive. Causes severe burns

**Skin:** very corrosive. Will cause severe burns..

**Inhalation:** Harmful if inhaled. Causes severe damage to respiratory system.

**Ingestion:** Harmful if swallowed Causes severe damage to gastrointestinal tract and esophagus.

**Toxicological properties:**

Draize test rabbit eye: 3500 ug/S Severe

Draize test rabbit skin: 210 ug/S Mild

**Carcinogenicity:** not listed

**Epidemiology:** no data available

**Reproductive effects:** not available

**Neurotoxicity:** not available

### IV FIRST AID MEASURES:

**Eyes:** Flush eyes with water. GET MEDICAL ATTENTION.

**Skin:** Flush area immediately with soap and water. GET MEDICAL ATTENTION.

**Inhalation:** Remove victim to fresh air. If breathing is difficult, give oxygen. Do NOT use mouth to mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device. Get medical attention immediately

**Ingestion:** Within 15 minutes of occurrence, have patient drink 2-4 glasses of milk or water. Do NOT induce vomiting. GET MEDICAL ATTENTION.

### V FIRE AND EXPLOSION HAZARDS:

**Flammable:** No. substance not combustible.

**Flash Point:** Not Available

**Explosion Data:** Not Available

### VI REACTIVITY:

**Stability:** Stable under normal pressure and temperature.

**Incompatibility:** reacts dangerously with bases, strong oxidizers and alkali metals such as sodium, potassium and calcium.

**Hazardous Decomposition Products:** Hydrogen chloride, toxic and irritating fumes of chlorine, phosgene gas, chloroform.

**Hazardous Polymerization:** Has not been reported.

### VII PHYSICAL DATA:

**Physical State:** solid,

**Appearance and Odor:** white, chlorine smell..

**Vapor pressure:** 1.351 mm Hg

**Vapor density:** 5.6

**Melting Point:** 136°F

**Boiling Point:** 388F

**Specific Gravity/Density:** 1.982 (water=1)

**Water Solubility:** Soluble 120% in water.

**pH:** 1.2 @ 0.1M soln.

### VIII PREVENTIVE MEASURES:

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

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

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

**Leak and Spill Procedures:** Clean up spills immediately. Sweep up then place in a suitable container for disposal. Provide ventilation. Do not get water inside containers.

**Other precautions:** Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. **Storage Conditions:** Do not store near combustible materials. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals and reducing agents. Store protected from moisture.

**Label Hazard Warning:** Harmful by inhalation and if swallowed. Corrosive.

**Shipping Information:** Trichloroacetic acid, CLASS 8 UN1839 GROUP II

### IX PREPARATION OF MSDS:

Prepared By: M. Kierdelewicz

Date: Nov. 13/2008

Phone: (800) 234-1179

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Observe all federal, provincial and state laws concerning health, safety and pollution.