

SAFETY DATA SHEET

TRICHLOROACETIC ACID

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: Trichloroacetic acid
Catalog Number: TCA001

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

Target Organs: None known.
Eyes: Causes eye burns.
Skin: Causes skin irritation. May cause burns.
Inhalation: Causes irritation. May cause burns.
Ingestion: Harmful if swallowed. May cause burns and vomiting.

CHRONIC HEALTH HAZARDS:

Corrosive. Harmful If swallowed. 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
Acute aquatic toxicity: (Category 1)
Chronic aquatic toxicity (Category 1)

Pictogram:



Signal word: Danger

Hazard statement:

H314 Causes severe burns and eye damage
H318 Causes serious eye damage
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects.

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.

SECTION 3 COMPOSITION/ INGREDIENTS

CAS #	%
Trichloroacetic acid	
76-03-9	99%

Molecular Formula: C₂HCl₃O₂
Molecular Weight: 163.39

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

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container

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. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

TWA Canada: 1ppm, 6.7 mg/m³

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: SOLID

Appearance and Odor: CRYSTALLINE, OFF-WHITE

Flash point: >113C (>235F)

Lower explosion limit: no data available

Upper explosion limit: no data available

Melting Point: 54-58° C (129-136F)

Boiling Point: 196C (385F)

Vapor Density: 5.64

Water Solubility: soluble

pH: approx. 1.0 (81.7 g/L)

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. 3,320mg/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:

Vert toxic with long lasting effects.

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

DOT (US)

UN number: 1839 Class 8 Packing group: III

Proper shipping name: TRICHLOROACETIC ACID

Marine pollutant: yes

Poison Inhalation hazard: No

IMDG

UN number: 1839 Class 8 Packing group: III

Proper shipping name: TRICHLOROACETIC ACID

Marine pollutant: yes

IATA

UN number: 1839 Class 8 Packing group: III

Proper shipping name: TRICHLOROACETIC ACID

Marine pollutant: yes

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

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.

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