

Safety Data Sheet (SDS) **5-9-2022: Reivewed file, more current MSDS/SDS not available. JMC**

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trichloroacetic Acid

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10448

Pictograms

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).



Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe dust or fumes (P260).

## SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Trichloroacetic acid	76-03-9	CCl <sub>3</sub> COOH	163.4	
Synonyms: TCA				

## SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

## SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.

NFPA Code

When heated to decomposition, may emit toxic fumes.

None established

In case of fire: Use a tri-class dry chemical fire extinguisher.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe up the spill, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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## **SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.  
Very deliquescent. Store in a cool, dry place within a Flinn Chem-Saf™ bag.

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## **SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Exposure guidelines: TLV 0.5 ppm (ACGIH)

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## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White crystals. Vinegar-like odor.	Boiling point: 196 °C
Soluble: Water and alcohol	Melting point: 57-58 °C
	Specific gravity: 1.6298

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## **SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizing agents and strong bases.  
Shelf life: Poor, very deliquescent. See Section 7 for further information.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Skin and eye corrosion, respiratory irritation, G.I. disturbances.	ORL-RAT LD <sub>50</sub> : 3,320 mg/kg
Chronic effects: Suspected of causing cancer in humans.	EYE-RAT LC <sub>50</sub> : N.A.
Target organs: Eyes, skin, respiratory system, gastrointestinal tract.	SKN-RBT LD <sub>50</sub> : N.A.

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## **SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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## **SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #24a is one option.

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## **SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Trichloroacetic Acid. Hazard class: 8, Corrosive. UN number: UN1839.

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## **SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-927-2), RCRA code D002.

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## **SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 21, 2014

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