MEDICAL CHEMICAL CORPORATION
SINCE 1954

SDS for Trichloroacetic Acid, 15% w/v
Catalog # 3583A

Medical Chemical Corp.
19430 Van Ness Ave.
Torrance, CA 90501

Customer Service: Phone (310)787-6800, (800)424-9394
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CHEMTREC Emergency Response Telephone Number: (800)424-9300
Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

Section I - Product Identification

An aqueous solution of trichloroacetic acid.

Section II - Hazards Identification

Danger: Causes severe skin burns and eye damage. Wash thoroughly after handling. Wear protective clothing, eye and face protection. If swallowed, rinse mouth with water but do not induce vomiting. Immediately contact a poison control center. Remove contaminated clothing and wash before reuse. Rinse skin with water.

Safety Ratings

Health: Severe *Flammability:* None *Reactivity:* Reactive *Contact:* Hazardous
Recommended safety equipment: safety goggles, lab coat and proper gloves
Storage: General storage
NFPA Ratings
Health = 3 Flammability = 0 Reactivity = 1

Potential Health Effects

Trichloroacetic acid is a strong acid that will cause tissue damage and severe ulcers on contact with skin or eyes.

Inhalation: Extremely corrosive to mucous membranes and other structures in the respiratory tract. Will cause pulmonary edema.

Ingestion: Can cause severe burns to mouth, esophagus and stomach. Also causes nausea, vomiting, diarrhea, etc.

Skin contact: Can cause burns and ulceration.

Eye contact: Even brief contact can cause severe damage.

Chronic Exposure: Unknown

Aggravation of preexisting conditions: Will aggravate preexisting skin conditions.

Section III - Composition/Information on Components

Ingredients	*CAS#*	*OSHA Pel*	*ACGIH TLV*	*%*
Trichloroacetic acid	76-03-9	1 mg/m3 TWA	1 mg/m3 TWA	15% w/v

Section IV - First Aid Measures

Inhalation: Because of the low vapor pressure, inhalation is unlikely to be a problem with this product. In case of difficulty, remove from source of exposure and get immediate medical attention. Be prepared to assist breathing.

Ingestion: Do not induce vomiting. If the victim is conscious administer large quantities of water. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. Get medical advice.

Eye Contact: Rinse thoroughly with running water. Get immediate medical attention.

Section V - Fire Fighting Measures

Flash point: Not applicable.

Flammable Limits: Not applicable.

Fire: Not normally a fire Hazard.

Explosion: Not Normally an explosion hazards.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive fumes.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section III.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are recommended as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: 101°C

Vapor pressure (mm Hg): 18 @ 20°C

Vapor Density (air = 1): 0.6

Density: 1.07 g/ml

Evaporation Rate (water = 1): 1

Solubility: Infinitely miscible with water

Appearance and Odor: A clear, colorless liquid. The solution will darken somewhat as it ages.

Section X - Stability and Reactivity

Stability: Freezes at low temperature.

Hazardous Decomposition Products: Nothing unusual.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Excessive cold/heat and light.

Section XI - Toxicological Information

Extremely corrosive.

Cancer lists

Ingredient	*Known Carcinogenicity?*	*Anticipated?*	*IARC Category*
Trichloroacetic Acid	No	No	3

Section XII - Ecological Information

Environmental Fate: Biodegradable.

Environmental Toxicity: Not likely to be toxic to marine life after neutralization.

Section XIII - Disposal Considerations

Local governments usually restrict the amounts of strong acids that may be flushed down the drain. Also, strong acids will corrode metal plumbing. For these reasons strong acids should be neutralized with base before flushing down the drain. Dispose of contents and container in accordance with all government regulations.

Section XIV - Transportation Information

DOT Shipping name: Trichloroacetic Acid Solution *Hazard Class:* 8 *Packing Group:* II

DOT Hazard Label: Corrosive *DOT Identification Number:* UN2564

Bottles smaller than 32 Fl. Oz. are eligible to be shipped under ORM-D or limited quantity exemptions [49 CFR section 173.154(b) and 173.154(C)].

Section XV - Regulatory Information

Chemical Inventory Status

Ingredient	*TSCA*	*EC*
Trichloroacetic Acid	Yes	Yes

Federal, State and International Regulations

	SARA 302		*SARA 313*		*RCRA*	*TSCA*	
Ingredient	*RQ*	*TPQ*	*List*	*Category*	*261.33*	*8(D)*	*Ca. Prop 65*
Trichloroacetic Acid	No	No	No	No	No	No	No

Chemical Weapons Convention: No, *TSCA 12(b)*: No, *CDTA:* No

SARA 311/312: Acute: Yes, Chronic: Yes, Fire: No

Section XVI - Other Information

This information is believed to be correct but is not waranteed as such, nor does it purport to be all inclusive.

Revision Date: May 11, 2015