



RICCA CHEMICAL COMPANY

Material Safety Data Sheet



Section 1: Chemical Product and Company Identification

Catalog Numbers: 100, 110, 120, 125, 130, 143, 145, 146, 148, 150, 95, A000960, A000970	
Product Identity: ACETIC ACID Aqueous Solutions, < 1.2 Normal, < 7% (v/v), including Solutions Plus brands	
Manufacturer's Name: RICCA CHEMICAL COMPANY	Emergency Contact(24 hr) CHEMTREC: 800-424-9300
CAGE Code: 0V553	
Address: PO BOX 13090 ARLINGTON, TX 76094	Telephone Number For Information: 817-461-5601
Date Prepared: 2/16/1999	Revision: 6 Last revised: 6/4/2003 Print Date: 6/17/2003

Section 2. Composition/Information on Ingredients

Component	CAS Registry#	Percent Concentration	ACGIH TLV	OSHA PEL
Acetic Acid	64-19-7	< 7	10 ppm 25 mg/m ³	10 ppm 25 mg/m ³
Water, Deionized	7732-18-5	Balance	Not Available	Not Available

Section 3 : Hazard Identification

Emergency Overview: Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards. Wash areas of contact with water. If ingested, dilute with water and call a physician if necessary.

Target Organs: eyes, skin, respiratory system, teeth.

Eye Contact: May cause irritation, redness, pain, and tearing.

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause irritation, redness, and pain.

Ingestion: May cause irritation of the digestive tract.

Chronic Effects/Carcinogenicity: None

IARC - No.

NTP - No.

OSHA - No.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Acetic Acid.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Acetic Acid.

Section 4. First Aid Measures – In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

Section 5. Fire Fighting Measures

Flash Point: Not Available.

Method Used: Not Available.

LFL: Not Available.

UFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6. Accidental Release Measures

Absorb with inert material (vermiculite, sand). Ventilate, if necessary, site of spillage well to evaporate remaining liquid and dispel vapor. Do not flush to sewer. Always comply with local, state, and federal regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

SAFETY STORAGE CODE: General

Section 8. Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9. Physical and Chemical Properties

Appearance: Clear, colorless liquid

pH: <1

Odor: weak vinegar

Boiling Point(C): Approximately 100

Solubility in Water: infinite

Melting Point(C): Approximately 0

Specific Gravity: Approximately 1

Vapor Pressure: Not Applicable.

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Strong bases.

Hazardous Decomposition Products: When heated to decomposition it emits irritating fumes.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

LD50, Oral, Rat (Acetic Acid): 3310 mg/kg; LD50, Dermal, Rabbit (Acetic Acid): 1.06 g/kg; LC50, Inhalation, Mouse

(Acetic Acid): 5620 ppm/1 hr.; Information obtained from RTECS ("Registry of Toxic Effects of Chemical Substances").

Section 12. Ecological Information

Ecotoxicological Information: Acetic Acid has high biochemical oxygen demand, and a potential to cause oxygen depletion in aqueous systems, low potential to affect aquatic organisms and a low potential to affect the growth of some plant seedlings.

Chemical Fate Information: Acetic Acid has low potential to bioconcentrate. If released to water or soil, Acetic Acid will biodegrade readily.

Section 13. Disposal Considerations

Neutralize with 5% Sodium Hydroxide or Sodium Carbonate solutions, and then pour into the drain while flushing with water, if allowed. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Non-Hazardous

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status: The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

CERCLA Reportable Quantity: Acetic Acid - 5,000 pounds.

Sara Title III:

Section 302 Extremely Hazardous Substances: No.

Section 311/312 Hazardous Categories: No.

Section 313 Toxic Chemicals: No.

RCRA Status: No.

California: None reported.

Florida: None reported.

Pennsylvania: Acetic Acid is listed as an Environmental Hazard on the state's Hazardous Substances List.

WHMIS Information (Canada):

Not applicable.

Section 16. Other Information

NFPA Ratings:	Health: 1	Flammability: 0	Reactivity: 0	Special Notice Key: None
HMIS Ratings:	Health: 1	Flammability: 0	Reactivity: 0	Protective Equipment: B (Protective Eyewear, Gloves)

Rev 1, 8-25-99: (Section 1) added catalog number 146.

Rev 2, 2-21-2000: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300, revised description from 0.01 - 1.0 N, 1 - 6% (v/v); (Section 7) added storage code.

Rev 3, 10-09-2001: Reformatted to electronic data format.

Rev 4, 07-12-2002: (Section 1) added catalog number 95.

Rev 5, 10-31-2002: (Section 1) added Solutions Plus catalog number A000960.

Rev 6, 03-05-2003: (Section 1) added Solutions Plus catalog number A000970.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.