



Colonial Chemical Solutions, Inc.

Material Safety Data Sheet – ACETIC ACID

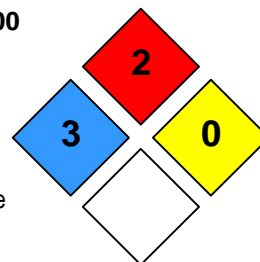
SECTION I - PRODUCT IDENTIFICATION

Manufacturers Address:
916 West Lathrop Avenue
Savannah, Georgia 31415

CHEMTREC – 24HR Emergency Telephone 1-800-424-9300
Information Phone: (912) 443-6702
Date Prepared: 21-October 2009
Preparer: F.Spaeth

Synonym: Glacial Acetic Acid
Chemical Family: Inorganic Acid

NFPA Rating
0- Minimal 1- Slight 2- Moderate
3- Serious 4- Extreme



SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	%WT	TLV	PEL
Acetic Acid	64-19-7	50-60	15 ppm	25 ppm

SECTION III - HAZARDOUS IDENTIFICATION

Human Health Effects: Danger. Corrosive. Mist, vapors and liquid can cause irritation and possible burns of the respiratory tract, skin, digestive tract and eyes.

SECTION IV - HEALTH AND FIRST AID

Skin: Symptoms of redness, irritation and burns

Eyes: Causes damage to the eyes.

Inhalation: Causes respiratory tract burns.

Ingestion: Causes severe irritation or burns of the mouth, throat and esophagus.

FIRST AID PROCEDURES:

Eyes: Flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Get immediate medical attention.

Skin: Wash contaminated areas with soap and water. Get medical attention if irritation persists or burns develop.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered. Get immediate medical attention.

Ingestion: If swallowed, DO NOT INDUCE VOMITING unless instructed by medical personnel. Give large quantities of water. Get immediate medical attention.

SECTION V - PHYSICAL and CHEMICAL PROPERTIES

Boiling Point Range: 240-250 °F

pH (0.1 N Sol'n): < 2.5

Solubility In Water: Soluble.

Appearance/Odor: Clear liquid with a vinegar odor.

Melting Point/Freezing Point: 62 °F

Vapor Density (Air=1): 2.5

Vapor Pressure (mmHg): 2.0

Volatiles % (v): ≥ 99

Evaporation Rate (BuAc=1): N/D

Specific Gravity: 1.05



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SECTION VI - FIRE FIGHTING MEASURES

Flash Point: 102 °F

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

Flammable Limits: Lower: 4.0 Upper: 16

Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH approved self contained breathing apparatus with full face-piece operated in the pressure demand mode.

Fire Fighting Instructions: Combustible liquid and vapor. Vapor may cause flash back. This material is not defined as an explosive by regulatory criteria.

SECTION VII - STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Conditions to Avoid: Contact with incompatibles.

Incompatibility: Strong oxidizing agents, reducing agents and reactive metals.

Hazardous Decomposition Products: Oxides of carbon.

Hazardous Polymerization: Will not occur.

SECTION VIII - STORAGE AND HANDLING

Precautions To Be Taken In Handling and Storage: Keep container tightly closed and properly labeled. Store in a cool dry area and away from reactive or combustible materials. Keep away from ignition sources.

SECTION IX - EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Use standard chemical practices with safety glasses or goggles where contact is possible.

Respiratory Protection: Where adequate ventilation is not available an approved respirator (NIOSH) must be worn. In confined or areas where exposure is well above the TLV, use a self-contained breathing apparatus.

Skin Protection: Minimize skin contact with protective clothing, chemical impervious gloves, and other protection as needed in areas of unusual exposure.

Ventilation: General Mechanical ventilation to prevent TLV from exceeding control limits.

Protective Clothing: Selection of protective clothing depends on potential exposure conditions and duration.

Other Equipment: Eye wash station and drench shower in close proximity are recommended.

SECTION X - ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective clothing and gear. Contain and recover as much usable material as possible. Absorb residual material on an inert substance and collect into an approved container. Do not release into sewers or waterways.

SECTION XI - DISPOSAL CONSIDERATIONS

Reuse or reprocess if possible. This material when discarded should be managed by an appropriate and approved waste facility in accordance with local, state and federal regulations.

SECTION XII - TRANSPORTAION

Proper Shipping Name: Acetic Acid

Hazard Class: 8

UN Number: 2789

Packaging Group: II



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SECTION XIII - TOXICOLOGY

Carcinogenicity: Not NTP listed
Mutagenicity: Not reported to produce mutagenic effects in humans.
Reproductive: Not reported to produce reproductive effects in humans.
Sensitization: Not reported to produce sensitization responses.

SECTION XIV - REGULATORY

RMP/PSM: Not listed
CERCLA-RQ: 5000 lbs
SARA 311/312: Not Regulated
SARA 313: Not Regulated
FIFRA: No documented information available.
RCRA-CODE: Not Listed
TSCA 8(d): Not Listed

SECTION XV - OTHER INFORMATION

The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.