



THATCHER COMPANY MATERIAL SAFETY DATA SHEET

PRODUCT: ACETIC ACID, 80%

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MSDS Date: May 26, 2000
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: Acetic Acid, 80%

CHEMICAL NAME: Acetic acid

CHEMICAL FAMILY: Carboxylic acid

DOT SHIPPING INFORMATION: Acetic acid Solution,
8,UN 2790, PG II (ERG 60)
RQ = 5000 lbs

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Acetic Acid	64-19-7		TLV/PEL = 10 ppm (TWA) 15 ppm (STEL)

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - PHYSICAL DATA

BOILING POINT (F): Approx. 120⁰

SPECIFIC GRAVITY: 1.07

VAPOR PRESSURE (mm Hg): 161

% VOLATILE, BY VOLUME: N/A

VAPOR DENSITY (air = 1): 1.8

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR: Clear, colorless, liquid with sharp, acrid, vinegar-like odor.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: 109 F(TCC)**(for Glacial Acetic)

FLAMMABLE LIMITS: Lel: 4.0 Uel: 19.9

EXTINGUISHING MEDIA:

Dry chemical or carbon dioxide for small fires, alcohol foam or water fog for large fires.

SPECIAL FIRE-FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and protective clothing. Use water spray to cool drums and to dilute burning liquid.



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UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS OR MATERIALS TO AVOID:

Strong alkalines or oxidizing agents such as chromic acid, nitric acid, or sodium peroxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and/or carbon dioxide.

SECTION VI - HEALTH HAZARD DATA

Carcinogenic Listing:

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Contact: Causes severe burns to skin and eyes.

Inhalation: Irritating to respiratory tract. Repeated exposure to high concentration levels can cause pharyngeal edema, chronic bronchitis, discoloration of the teeth and thickening of the skin.

Ingestion: Causes irritation and burns which can damage the gastrointestinal tract. Large amounts can be fatal

STATEMENT OF PRACTICAL TREATMENT:

Contact: Flush area of contact thoroughly with water. For eyes, flush for at least 15 minutes with cool water and get medical attention.

Inhalation: Get person into fresh air. If irritation persists, get medical attention.

Ingestion: If conscious, give several glasses of water or milk. DO NOT induce vomiting. Call a physician immediately.



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SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Keep containers closed when not in use. Keep away from heat, sparks, and open flame. Store above 17 EC to prevent freezing. If product freezes, move to warmer area to thaw.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Eliminate all ignition sources. Ventilate the area well. Wear safety equipment. Collect small spills with absorbent material or neutralize with soda ash or lime. For larger spills, dike if necessary and recover the material into drums. Neutralize the residue and flush with water into the drain. Spills > 5000 lbs/day must be reported to the EPA.

WASTE DISPOSAL METHOD:

Waste acetic acid is an EPA characteristic hazardous waste. Ship to an EPA-approved treatment or disposal facility. Suggested disposal is by incineration. Comply with all local, state, and federal regulations.

OTHER PRECAUTIONS:

Use with adequate ventilation. Avoid contact with liquid or vapor. Wash thoroughly after handling.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Use organic vapor canister respirator within use limitations or self contained breathing apparatus as needed.

VENTILATION: Use adequate ventilation.

EYE PROTECTION: Wear goggles.

SKIN PROTECTION: Wear rubber gloves, rubber boots and an acid suit.

OTHER PROTECTIVE EQUIPMENT:

Wear protective clothing as necessary to prevent skin or eye contact with liquid or vapor.

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hours

STEL = Short Term Exposure Limit (ACGIH)

ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.