



# MATERIAL SAFETY DATA SHEET

J. T. Baker Chemical Co., 222 Red School Lane, Phillipsburg, N.J. 08865

CHEMICAL NAME

## SECTION I . IDENTIFICATION OF PRODUCT

CHEMICAL NAME <b>Acetic Acid, Glacial</b>	FORMULA <b>CH<sub>3</sub>COOH</b>
SYNONYM OR CROSS REFERENCE <b>Methane carboxylic acid; Ethanoic Acid</b>	CAS NO: <b>64-19-7</b>

## SECTION II . HAZARDOUS INGREDIENTS

MATERIAL	NATURE OF HAZARD
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## SECTION III . PHYSICAL DATA

BOILING POINT <b>240°C</b>	MELTING POINT <b>Freezing point 62°F.</b>
VAPOR PRESSURE <b>@ 20°C. 11.3mm</b>	SPECIFIC GRAVITY <b>1.05</b>
VAPOR DENSITY (AIR=1) <b>2.07</b>	PERCENT VOLATILE BY VOLUME (%)
WATER SOLUBILITY <b>Soluble</b>	EVAPORATION RATE <b>(_____ = 1)</b>

APPEARANCE  
Clear, colorless liquid with strong pungent odor of vinegar.

## SECTION IV . FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) <b>103°F. (closed cup)</b>	FLAMMABLE LIMITS <b>@ 212°</b>	Lower <b>5.4%</b>	Upper <b>16%</b>
FIRE EXTINGUISHING MEDIA <b>Water spray, dry chemical or carbon dioxide</b>			
SPECIAL FIRE-FIGHTING PROCEDURES			

UNUSUAL FIRE AND EXPLOSION HAZARD  
Gives off flammable vapor above its flash point

## SECTION V . HEALTH HAZARD

THRESHOLD LIMIT VALUE <b>10 ppm orl-rat LD50: 3310 mg/kg</b>
HEALTH HAZARDS <b>Causes severe burns. POISON May be fatal if swallowed. Harmful if inhaled.</b>
FIRST AID PROCEDURES <b>Call a physician. If swallowed, do not give emetics. Give tap water, milk or milk of magnesia. Give whites of eggs beaten with water. If inhaled, remove to fresh air. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use.</b>

**SECTION VI . REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID Can react vigorously with oxidizing material
	STABLE	X	

INCOMPATIBILITY (materials to avoid)

Carbonates; Hydroxides; many oxides and phosphates, etc.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

**SECTION VII . SPILL AND DISPOSAL PROCEDURES**

**SPILLS** Eliminate all sources of ignition. Cover contaminated surfaces with soda ash or sodium bicarbonate. Mix and add water if necessary. Scoop up slurry and wash neutral (make litmus test) waste down drain with excess water, if local environmental regulations permit.

**DISPOSAL** Dispose through a waste treatment plant if local environmental regulations permit.

**SECTION VIII . PROTECTION INFORMATION**

RESPIRATORY PROTECTION (specify type)

Self-contained breathing apparatus

VENTILATION	LOCAL	SPECIAL
	X	
	MECHANICAL (general)	OTHER
	X	

PROTECTIVE GLOVES

Rubber gloves

EYE PROTECTION

Face shield

OTHER PROTECTIVE EQUIPMENT

Approved working clothes

**SECTION IX . HANDLING AND STORAGE PRECAUTIONS**

STORAGE &amp; HANDLING

Keep away from heat and open flame. Keep in tightly closed container at a temperature above 17°C. (63°F.). If frozen, thaw by moving closed container to warm area. Loosen closure cautiously.

**SECTION X . MISCELLANEOUS INFORMATION**

Do not get liquid or vapor in eyes, on skin, on clothing. Avoid breathing vapor. Wash thoroughly after handling.

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Revision:

Approved by: R. M. Mitchell

Manager, Quality Assurance

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the sheet is the latest one issued.