

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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MATERIAL NAME: **ACETIC ACID GLACIAL**

REVISED: February 2025

CHEMICAL FAMILY: Organic acid

PART NUMBER: 060-3550-00

SECTION 2. HEALTH HAZARD INFORMATION

Hazard Statements

H226 Flammability: Category 3
H402 Acute harm to aquatic life: Category 3
H290 Corrosive to metals: Category 1
H314 Skin corrosion / skin irritation : Category 1A
H318 Serious eye damage / Eye irritation : Category 1

Pictograms or Hazard symbols



Signal Word: Danger

Flammable liquid and vapor

May be corrosive to metals

Causes severe skin burns and eye damage. Causes serious eye damage.

Harmful to aquatic life.

Precautionary Statements

P210 Keep away from heat, flames, and hot surfaces. No smoking.

P233 Keep container tightly closed.

P234 Keep only in original container.

P241 Use explosive-proof equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe fume/gas/mist/vapors.

P264 Wash thoroughly after handling.

P273 Avoid release into the environment.

P280 Wear protective gloves, clothing, and eye and face protection.

P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting.

P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing.

Rinse skin with water.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire use water spray or suitable agent for surrounding fire. Do not use solid water streams to extinguish.

P390 Absorb spillage to prevent material damage.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P406 Store in corrosive resistant container.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %	Toxicity
Acetic Acid	CAS# 64-19-7	100	10 ppm

SECTION 4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

FIRST AID:

Eye Contact: Both liquid and vapor are corrosive to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. May cause permanent eye damage or blindness. Seek medical attention.

Skin Contact: Obtain medical attention: Both liquid and vapor are corrosive to exposed skin. Flush skin well with water for 15 minutes, wash with soap and water. Remove affected clothing, get medical attention. May cause deep, penetrating burns.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention.

Inhalation of vapors may cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract.

Ingestion: Will cause severe burns to the mouth and severe and permanent damage to the digestive tract. Causes gastrointestinal burns and perforation of the digestive tract. Get Medical Attention immediately. Do not induce vomiting; give large quantities of water

SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	<u>LOWER</u>	<u>UPPER</u>
40 °C	427 °C		4	16

Extinguishing media: Use water spray or suitable agent for surrounding fire. Do not use solid water streams.

Special fire fighting procedures: Wear chemically retardant gear and NIOSH approved self-contained breathing apparatus. Thermal decomposition produces irritating and toxic fumes. Extreme heat or contact with metals can release flammable hydrogen gas, ammonia.

Toxic gases released: Hydrogen fluoride, carbon monoxide, carbon dioxide

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Ventilate area of leak or spill. Stop leak if possible to do so without risk. Clean-up personnel must wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with

dioxide, carbon monoxide

Hazardous May occur Conditions to avoid: Excess heat, direct sunlight.
polymerization: Will not occur X

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE:

Threshold limit value (TLV/TWA): 25mg/m³ (10 ppm)

Short term exposure limit (STEL): 37 mg/m³ (15 ppm)

Permissible Exposure Limit (PEL): 25 mg/m³ (10 ppm)

Toxicity: LD₅₀ (oral-rat) (mg/kg) - 3310

LD₅₀ (iv-mouse) (mg/kg) - 525

LD₅₀ (skin-rabbit) (mg/kg) - 1060

LD₅₀ (inhl-mouse) (mg/kg) - 5620

SUBCHRONIC and CHRONIC:

Investigated as a mutagen.

OTHER DATA:

Carcinogenicity: NTP: No IARC: No Z List: No OSHA reg: No

SECTION 12. ECOLOGICAL INFORMATION

When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released in air, this material is expected to have a half-life between 10 and 30 days. When released into water, this material is expected to readily biodegrade. When released into the water, this material is expected to have a half life between 1 and 10 days. Standard dilution BOD₅/TOD = 58%. When released into the soil, this material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate. This material has an estimated bioconcentration factor (BCF) of less than 100.

This material is expected to be slightly toxic to aquatic life. The LC₅₀/96 hour values for fish are between 10 and 100 mg/L.

EC₅₀ (wheat fumigation): 23.3 mg/m³/2-hr, effect: leaf injury

LC₅₀ (shrimp): 100-300 mg/L/48-hr

LC₅₀ (fathead minnow): 88 mg/L/96-hr

This material may be toxic to aquatic life

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility. If permitted by regulations, neutralize with alkali.

SECTION 14. TRANSPORTATION INFORMATION

Class 8,3

PG II

UN2789

Shipping Name: Acetic Acid, Glacial (with more than 80% acid, by mass)

SECTION 15. REGULATORY

Symbol: C, Corrosive

R-Phrase: 35, causes severe burns

S-Phrases: 23-36/37/39-45 Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16. OTHER INFORMATION

NFPA Codes:

Health: 3

Flammability: 2

Reactivity: 0

WHMIS Codes:

Health: 3

Flammability: 2

Reactivity: 0

R35: Causes severe burns.

Ingredients are TSCA listed.