

Rockwell Medical SDS
Acetic Acid

Section 1. Product and Company Identification

Product Name: Acetic Acid

Company Identification: Rockwell Medical
30142 Wixom Rd
Wixom, MI. 48393
800-449-3353
248-960-9009

Section 2. Hazards Identification

Appearance: Clear
Physical State: Liquid
Odor: Highly pungent vinegar aroma

Hazards of Product: Corrosive, 49 CFR 173.154 -- Exceptions for Class 8 Except for transportation by aircraft, the following combination packagings are authorized: (1) For corrosive materials in Packing Group II, inner packagings not over 1.0 L (0.3 gallon) net capacity each for liquids. The volume of the bottle of acetic acid is within the required net capacity range.

Potential Health Hazards

Inhalation: Effects from inhalation of mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose.

Ingestion: Swallowing may cause severe burns of mouth, throat and stomach. Severe scarring of tissue may result. Symptoms may include bleeding, vomiting, diarrhea, fall in blood pressure.

Skin Contact: Contact with skin can cause irritation or severe burns.

Eye Contact: Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision.

OSHA: Permissible Exposure Limit (PEL) for General Industry: 29 CFR 1910.1000 Z-1 Table-10 ppm, 25mg/m³, 8 hrs.

Section 3. Composition/Information on Ingredients

Component	CAS#	Approx. %
Acetic Acid	64-19-7	100

Section 4. First Aid Measures

Eyes and Skin: Flush with excess water at least 15 minutes. If burn or irritation has occurred, see medical attention. If clothing is contaminated, remove clothing, wash skin and wash clothing before reusing.

Ingestion: If swallowed, drink large amounts of water. Do not attempt to induce vomiting.

Inhalation: If inhaled, move to fresh air.

Section 5. Fire Fighting Measures

Flashpoint: 193°F

Flammable Limits: Upper – 16%
Lower – 4%

Fire-Fighting Instructions: Use carbon dioxide or dry chemical for small fires; alcohol – type aqueous film forming or water spray for large fires.

Unusual Fire and Explosion Hazards: Vapors are potentially explosive, avoid ignition sources and reduce vapors by water spray in case of accidental releases.

Section 6. Accidental Release Measures

Put on eye protection, protective gloves, boots, clothing and a respirator if air contamination is above the permitted levels. Contain the spill and reduce vapors by using water spray. If allowed by federal, state or local regulatory authority, flush spill to the sewer. If mops, towels, paper towel or similar material is used, insure that these items are thoroughly rinsed with copious amounts of water. Do not reuse the liquid material.

Section 7. Handling and Storage

Smoking, eating or drinking in work areas is not recommended. Store in a manner to avoid mix-up or exposure to contaminants. Do not use if the container is breached or damaged.

Section 8. Exposure Controls/Personal Protection

Eyewear: ANSI approved safety glasses or goggles. A face shield should be worn when splashes are likely.

Gloves: Protective gloves should be worn.

Clothing: A protective apron should be worn when splashes are likely. Rubber boots should be used for spill response.

Respirator: If air contamination is above the permitted levels, use a NIOSH approved respirator

Acetic Acid

Section 9. Physical and Chemical Properties

Physical state: Liquid
Appearance: Clear
pH: Approximately 1
Solubility in Water: Complete
Odor: Acid

Section 10. Stability and Reactivity

Conditions to Avoid: Open flame source
Incompatible Materials: Oxidizing agents (hydrogen peroxide, nitric acid, perchloric acid or chromium trioxide), strong alkalis (sodium hydroxide) or metals.
Hazardous Polymerization: Will not occur
Hazardous Decomposition: If burned, will produce carbon dioxide.

Section 11. Toxicological Information

Toxicological data is not applicable. The material is not a known or potential carcinogen.

Section 12. Ecological

Environmental impact data is not applicable.

Section 13. Disposal Consideration

Refer to Section 8 (Exposure Controls/Personal Protection). Refer to local and state guidelines for proper disposal of unused product. Disposal in storm drains is discouraged.

Section 14. Transport Information

Not applicable.

Section 15. Regulatory Status

Transportation Status: Hazardous Material
D.O.T. Hazard Class: 8-UN 2789-II
OSHA: Not hazardous under 29 CFR 1910.1200 & 49 CFR 173.154 -- Exceptions for Class 8
SARA Title III:
Section 302 Extremely Hazardous Substance List: Not Listed
Section 313 Toxic Chemical: Not Listed

Section 16. Other Information

HMIS Ratings:

Flammability: 2

Health: 2

Reactivity: 1

PPE: B