

Safety Data Sheet (SDS)

3/24/25: File reviewed, more current MSDS/SDS not available. CAS

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Acetic Acid Solution <1.6 M

**Signal Word**  
N/A

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9339

**Pictograms**

**SECTION 2 — HAZARDS IDENTIFICATION**

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution.

Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.


**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

Component Name	CAS Number	Formula	Formula Weight	Concentration
Acetic acid	64-19-7	CH <sub>3</sub> COOH	60.05	<10%>
Water	7732-18-5	H <sub>2</sub> O	18.00	>90%

**SECTION 4 — FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

**SECTION 5 — FIRE FIGHTING MEASURES**

Nonflammable, noncombustible solution.

**NFPA Code**

In case of fire: Use a tri-class dry chemical fire extinguisher.

None established

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See

Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Avoid contact with eyes. Wash hands thoroughly after handling.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear, colorless liquid. Slight vinegar-like odor. pH >2.3

Soluble: Water

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers, especially chromic and nitric acids.

Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: N.A.

ORL-RAT LD<sub>50</sub>: 3310 mg/kg as acetic acid

Chronic effects: Prolonged inhalation of vapors can cause irritation of the respiratory tract.

IHL-MUS LC<sub>50</sub>: 5620 ppm/1H as acetic acid

SKN-RBT LD<sub>50</sub>: 1.06 mg/kg as acetic acid

Target organs: N.A.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 13, 2014

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