
Section 1 — Chemical Product and Company Identification

Ethyl Alcohol Solution

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

CHEMTREC Emergency Phone Number: (800) 424-9300

Section 2 — Composition, Information on Ingredients

Ethyl Alcohol (64 - 17 - 5) 5% and water (7732 - 18 - 5) 95%

Synonym: ethanol solution

CAS#: none established

Section 3 — Hazards Identification

Clear liquid; weak alcohol odor.

Slightly toxic by ingestion and inhalation. Denatured with isopropanol and methanol. Not for human consumption.

FLINN AT-A-GLANCE

Health-1

Flammability-0

Reactivity-0

Exposure-0

Storage-0

0 is low hazard, 3 is high hazard

Section 4 — First Aid Measures

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. Call a physician or poison control at once.

Section 5 — Fire Fighting Measures

Non flammable solution

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

none established

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand and absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.

Section 8 — Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: TWA 1000 ppm (OSHA)

FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

Material Safety Data Sheet (MSDS)

Ethyl Alcohol Solution

MSDS #: 326.50

Revision Date: June 26, 2003

Section 9 — Physical and Chemical Properties

Clear liquid; weak alcohol odor.

1 molar solution of ethyl alcohol in water.

Solubility: Miscible with water and many organic solvents.

Formula: C₂H₅OH

Formula Weight: 46.07

Section 10 — Stability and Reactivity

Shelf life: Excellent, if stored safely.

Section 11 — Toxicological Information

Acute effects: Poison, irritant, nausea, dizziness and headache

Chronic effects: N.A.

Target organs: Eyes, liver, kidneys, nerves

ORL-RAT LD50: 7060 mg/Kg as ethyl alcohol

IHL-RAT LC50: 20000 ppm/10H as ethyl alcohol

SKN-RBT LD50: N.A.

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

Section 12 — Ecological Information

Data not yet available.

Section 13 — Disposal Considerations

Please consult with state and local regulations.

Flinn Suggested Disposal Method #26b is one option.

Section 14 — Transport Information

Shipping Name: Not regulated

Hazard Class:

UN Number:

N/A = Not applicable

Section 15 — Regulatory Information

Not listed

Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

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