

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 7.30

Revision Date: October 12, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Acetone Chromatography Solvent

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

Acetone (67-64-1) 50% and Water (7732-18-5) 50%.

CAS#: None established

SECTION 3 — HAZARDS IDENTIFICATION

Colorless, volatile aqueous solution. Sweet odor.

Flammable liquid; serious fire hazard.

Irritating to body tissues. Avoid all body tissue contact. Mildly toxic by ingestion. Vapor causes weakness, fatigue, nausea and headache. Skin contact causes dermatitis.

FLINN AT-A-GLANCE

Health-1

Flammability-3

Reactivity-2

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable liquid due to acetone content.

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

NFPA CODE

H-1

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Remove all ignition sources and 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.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, halogenated hydrocarbons, and ethylene oxide. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor Can.

Use and dispense in a hood.

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 750 ppm, STEL 1000 ppm (OSHA, ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless, volatile liquid. Sweet odor.

Solubility: Miscible with water, alcohol, and ether.

Formula: CH₃COCH₃

Formula weight: 58.08

SECTION 10 — STABILITY AND REACTIVITY

Stable. Avoid oxidizing agents and halogenated compounds. Avoid all sources of ignition.

Shelf life: Good, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: severe eye irritant.

Chronic effects: causes dermatitis.

Target organs: liver, kidneys.

ORL-RAT LD₅₀: 5800 mg/kg for acetone

IHL-RAT LC₅₀: 50,100 mg/m³/8H for acetone

SKN-RBT LD₅₀: 20 g/kg for acetone

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

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Acetone

Hazard class: 3, Flammable Liquid

UN number: UN1090

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-662-2), RCRA code U002

SECTION 16 — OTHER INFORMATION

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