

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 15.00

Revision Date: October 6, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Acetyl Salicylic Acid

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

Acetyl salicylic acid

Synonym: Aspirin

CAS#: 50-78-2

SECTION 3 — HAZARDS IDENTIFICATION

White powder. Odorless when fresh. As it ages, it becomes vinegar-like.

Toxic by ingestion. An allergen and irritant; may cause internal bleeding. 10 gram dose may be fatal.

Not sold for human consumption.

Combustible solid.

FLINN AT-A-GLANCE

Health-2

Flammability-0

Reactivity-0

Exposure-2

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. Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, but combustible solid.

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

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Ventilate area. Avoid creating dust. Wipe up the spill with a damp towel. Place in a sealed bag or container, and dispose. and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn suggested chemical storage pattern: Organic #1. Store with acids, anhydrides, and peracids.

Store in a cool, dry place. Store in a locked poison cabinet.

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: TLV: 5 mg/m³ (OSHA, ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White powder. Odorless when fresh.

Melting point: 140-142 °C

Solubility: Soluble in water and many organic solvents.

Formula: 2-CH₃COOC₆H₄COOH

Formula weight: 180.17

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers, strong acids, and strong bases.

Shelf life: Poor, keep dry.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Toxic, irritant, possible sensitizer.

ORL-RAT LD₅₀: 200 mg/kg

Chronic effects: Possible teratogen.

IHL-RAT LC₅₀: N.A.

Target organs: Blood.

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

Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated.

Hazard class: N/A

UN number: N/A

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-064-1).

SECTION 16 — OTHER INFORMATION

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