

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 700.00

Revision Date: September 28, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sodium Acetate

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

Sodium Acetate

CAS#: 6131-90-4 (trihydrate); 127-09-3 (anhydrous)

SECTION 3 — HAZARDS IDENTIFICATION

Colorless, crystals; efflorescent. Faint vinegar odor.
Slightly toxic by ingestion. Skin, eye and respiratory irritant. Avoid all body tissue contact.

FLINN AT-A-GLANCE

Health-1
Flammability-1
Reactivity-0
Exposure-1
Storage-0

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

Combustible solid.
Autoignition Temperature: 607 °C Flash point: 250 °C
When heated to decomposition, emits acrid fumes.

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. Ventilate area, avoid creating a dust, wipe up with damp towel, and place in sealed bag or container and dispose. 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: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless crystals, efflorescent. Faint vinegar odor.

Solubility: Water and ethyl alcohol

Formula: $\text{NaC}_2\text{H}_3\text{O}_2$

Formula weight: 82.03

Boiling point: 122 °C (trihydrate) 881.4 °C (anhydrous)

Melting point: 58 °C (trihydrate)

Melting point: 328 °C (anhydrous)

pH: 9.25

Specific gravity: 1.45 (trihydrate) 1.528 (anhydrous)

SECTION 10 — STABILITY AND REACTIVITY

Avoid strong oxidizers and ignition sources.

Shelf life: Fair to poor, substance efflorescent.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant

Chronic effects: N.A.

Target organs: G.I. system

ORL-RAT LD_{50} : 3530 mg/kg

IHL-RAT LC_{50} : >30 g/m³

SKN-RBT LD_{50} : >10 mg/kg

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

SECTION 12 — ECOLOGICAL INFORMATION

Freshwater Fish Species Data: 24 Hr LC_{50} *Lepomis macrochirus*: 5000 mg/L

Water Flea Data: 48 Hr EC_{50} water flea: 5800 mg/L

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 (204-823-8).

SECTION 16 — OTHER INFORMATION

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