

# 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.

#### NFPA CODE

None  
established

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

### 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.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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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)

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid strong oxidizers and ignition sources.  
Shelf life: Fair to poor, substance efflorescent.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant  
Chronic effects: N.A.  
Target organs: G.I. system

ORL-RAT  $\text{LD}_{50}$ : 3530 mg/kg  
IHL-RAT  $\text{LC}_{50}$ : >30 g/m<sup>3</sup>  
SKN-RBT  $\text{LD}_{50}$ : >10 mg/kg

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Freshwater Fish Species Data: 24 Hr  $\text{LC}_{50}$  *Lepomis macrochirus*: 5000 mg/L  
Water Flea Data: 48 Hr  $\text{EC}_{50}$  water flea: 5800 mg/L

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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 #26a 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  
N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (204-823-8).

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**SECTION 16 — OTHER INFORMATION**

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