

SODIUM ACETATE

Material Safety Data Sheet

Mallinckrodt Chemical Inc.

P.O. Box 800

Paris, Kentucky 40362

Emergency Telephone Number
314-539-1600

Effective Date: 08-07-85

PRODUCT IDENTIFICATION:

Synonyms: Sodium acetate trihydrate; acetic acid, sodium salt trihydrate

Formula CAS No.: 6131-90-4 (Trihydrate)

Molecular Weight: 136.08

TSCA CAS No.: 127-09-3 (Anhydrous)

Hazardous Ingredients: Sodium acetate

Chemical Formula: CH₃COONa 3H₂O

PRECAUTIONARY MEASURES

WARNING! CAUSES IRRITATION.

Avoid contact with eyes, skin and clothing.
Use with adequate ventilation.

EMERGENCY FIRST AID

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician.
SEE SECTION 5.

Physical Data

SECTION 1

Appearance: Colorless granular salt.

Odor: Slight acetic acid odor.

Solubility: 125gm/100mls water

Boiling Point: Decomposes @ 324 C (615 F) Vapor Density (Air=1): No information found.

Melting Point: Loses water @ 120 C (248 F) Vapor Pressure (mm Hg): No information found.

Specific Gravity: 1.45

Evaporation Rate: No information found.

Fire and Explosion

SECTION 2

Information

Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Autoignition temperature 611 C (1132 F) (Anhydrous).

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:

Wear full protective clothing and breathing equipment for high-intensity fire or potential explosion conditions.

Reactivity Data

SECTION 3

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Emits fumes of acetic acid upon heating above 120 C (248 F).

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Nitric acid, fluoride, potassium nitrate, and diketene.

Leak/Spill Disposal Information

SECTION 4

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Disposal: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Small amounts of residue may be flushed to sewer with plenty of water.

Ensure compliance with local, state and federal regulations.

Health Hazard Information

SECTION 5

A. Exposure/Health Effects

Inhalation:

Not expected to be a health hazard.

Ingestion:

Large doses may produce abdominal pain, nausea, and vomiting.

Skin Contact:

May cause irritation, redness, and pain.

Eye Contact:

Contact may cause irritation, redness, and pain.

Chronic Exposure:

No information found.

Aggravation of

Pre-existing Conditions: No information found.

B. FIRST AID

Inhalation:

Not expected to require first aid measures.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Exposure:

Remove any contaminated clothing. Wash skin with plenty of water for at least 15 minutes. If irritation develops, get medical attention.

Eye Exposure:

Wash eyes with plenty of water for at least 15 minutes. If irritation develops, get medical attention.

C. TOXICITY

(RTECS, 1986)

No LD50/LC50 information found relating to normal routes of occupational exposure. Irritation data: skin rabbit 500mg 24 mild (Anhydrous). Eye rabbit 10mg/mild (Anhydrous).

Occupational Control Measures

SECTION 6

Airborne Exposure Limits:

None established.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved) For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

Storage and Special Information SECTION 7

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage.

Mallinckrodt provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MALLINCKRODT MAKES NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

ODAC

Addendum to Material Safety Data Sheet

REGULATORY STATUS

Hazard Categories for SARA Section 311/312 Reporting

Acute	Chronic	Fire	Pressure	Reactive
----- X	-----	----	-----	-----

Product or Components of Product:	SARA EHS Sec. 302		SARA Sec. 313 Chemicals		CERCLA Sec. 103	RCRA Sec.
	RQ	TPQ	Name List	Chemical Category	RQ lbs	261.33
SODIUM ACETATE (127-09-3)	No	No	No	No	No	No

SARA Section 302 EHS RQ:
Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:
Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:

Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund) Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA:

Resource Conservation and Recovery Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

SODAC

SODIUM ACETATE