

1. Product and Company Identification

Material name	SODIUM ACETATE
Version #	03
Revision date	04-10-2012
CAS #	127-09-3
Synonym(s)	SODIUM ACETATE, ANHYDROUS * ACETIC ACID, SODIUM SALT * 6131-90-4 (TRIHYDRATE)
Manufacturer information	Mallinckrodt 675 McDonnell Blvd. Hazelwood, MO 63042 24 Hour Emergency 314-654-1600 Chemtrec 800-424-9300 Customer Service 888-744-1414
Item code	7356, 7364, 7690, 7768, 9356, 9768

2. Hazards Identification

Emergency overview	CAUTION Causes skin and eye irritation. May cause irritation to the respiratory system.
OSHA regulatory status	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Eyes	Causes eye irritation. Avoid contact with eyes.
Skin	Irritating to skin. Avoid contact with the skin.
Inhalation	May cause irritation of respiratory tract. Coughing. Difficulty in breathing. Discomfort in the chest. Avoid breathing dust/fume/gas/mist/vapors/spray.
Ingestion	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest.
Chronic effects	Not available.
Potential environmental effects	Ecological injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Components	CAS #	Percent
SODIUM ACETATE	127-09-3	99 - 100

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
Skin contact	Immediately flush skin with plenty of water. Remove contaminated clothing. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. Get medical attention if irritation develops and persists.
Inhalation	If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Extinguishing media

Suitable extinguishing media Water. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific methods Cool containers exposed to flames with water until well after the fire is out.

6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Avoid contact with spilled material. Ventilate closed spaces before entering them.

Environmental precautions Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods for containment Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product.

Methods for cleaning up Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Collect dust using a vacuum cleaner equipped with HEPA filter. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

Handling Do not use in areas without adequate ventilation. Avoid contact with skin and eyes. Do not breathe dust from this material. Do not ingest. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Wash thoroughly after handling. Handle and open container with care.

Storage Keep container tightly closed. Store in a cool, dry place. Store in a well-ventilated place. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.

8. Exposure Controls / Personal Protection

Engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection Chemical goggles are recommended. Provide eyewash station and safety shower.

Skin protection Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear protective gloves.

Respiratory protection Wear respirator with dust filter. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

General hygiene considerations Do not breathe dust. Avoid contact with eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance Crystalline. Powder.

Physical state	Solid.
Form	Powder.
Color	Colorless.
Odor	Acetic acid.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	< 0 kPa at 25°C
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	615.2 °F (324 °C)
Solubility (water)	365 g/l 20 C
Specific gravity	1.5282
Relative density	Not available.
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	1125 °F (607.2 °C)
VOC	0 %
Percent volatile	0 %
Molecular weight	82.04 g/mol
Molecular formula	C2-H3-Na-O2
Other data	
Density	1.528 g/cm3
pH in aqueous solution	7.5 - 9

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	None under normal conditions. The substance is hygroscopic and will absorb water by contact with the moisture in the air.
Incompatible materials	Strong oxidizing agents. Acids. Fluoride. Nitrates.
Hazardous decomposition products	Acetic acid fumes.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Product

SODIUM ACETATE (127-09-3)

Test Results

Acute Dermal LD50 Rabbit: > 10 g/kg
 Acute Inhalation LC50 Rat: > 30 g/l
 Acute Oral LD50 Mouse: 6891 mg/kg
 Acute Oral LD50 Rat: 3530 mg/kg

Local effects Irritating to eyes. Irritating to skin. Inhalation of dusts may cause respiratory irritation.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classified.

Skin corrosion/irritation Irritating to skin.

12. Ecological Information

Ecotoxicological data

Product

Test Results

SODIUM ACETATE (127-09-3)

EC50 Bacterium (*Pseudomonas putida*): 7200 mg/l 18 hours

LC50 Bluegill (*Lepomis macrochirus*): 5000 mg/l 24 hours

LC50 Water flea (*Daphnia magna*): 7170 mg/l 24 hours

* Estimates for product may be based on additional component data not shown.

Ecotoxicity

Not expected to be harmful to aquatic organisms.

Environmental effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability

Not available.

13. Disposal Considerations

Disposal instructions

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Not applicable.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Food and Drug Administration (FDA) Total food additive
Direct food additive
GRAS food additive

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Labeling Info

Label Hazard Warning CAUTION

Causes skin and eye irritation. May cause irritation to the respiratory system.

Label Precautions Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Label First Aid Immediately flush eyes with plenty of water for at least 15 minutes. Immediately flush skin with plenty of water. If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention if irritation develops or persists. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

17. Other Information

NFPA ratings Health: 1
Flammability: 0
Instability: 0

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This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Product Codes