

SAFETY DATA SHEET

SODIUM ACETATE

Sodium Acetate Anhydrous SDS MSDS Sheet, Material Safety Data Sheet

1. Product Identification

Synonyms: Sodium acetate anhydrous; Acetic acid sodium salt anhydrous.

CAS No.: 127-09-3 (Anhydrous); 6131-90-4 (Trihydrate)

EINECS: EC Number: 204-823-8

Molecular Weight: 82.03

Chemical Formula: CH₃COONa

SUPPLIER :

PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724

Emergency Telephone Numbers:

800-255-3924 ChemTel. (United States)

+ 1 01 813-248-0585 (Outside the United States)

2. Hazards Identification

GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910

GHS Label Elements
NONE

Signal Word: None

Hazard statements:

H303: May be harmful if swallowed.

H333: May be harmful if inhaled.

H316: Causes mild skin irritation.

H320: Causes eye irritation.

Precautionary statements:

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+ 313: If eye irritation persists get medical advice/attention.

OSHA Hazards: Not considered highly hazardous by OSHA.

HMIS Classification

Health hazard: 1

Flammability: 1

Physical hazards: 0

NFPA Rating
Health hazard: 1
Fire: 1
Reactivity
Hazard: 0

Potential Health Effects

Inhalation: It may cause irritation to the respiratory tract. Symptoms may include coughing, sore throat and labored breathing.

Ingestion: In large doses may produce abdominal pain, nausea, and vomiting.

Skin Contact: It may cause irritation with redness and pain.

Eye Contact: Sodium acetate anhydrous contact may cause irritation, redness, and pain.

Carcinogenic Effects: Not a reported carcinogen.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

3. Composition/Information on Ingredients

Ingredient: Sodium acetate anhydrous

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

Percent: 97 - 100

Hazardous: Yes

4. First Aid Measures

Always seek medical attention after first aid measures are provided.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician: Symptomatic and supportive treatment is recommended.

5. Fire Fighting Measures

Flammability of the Product: May pose a fire hazard when exposed to elevated temperatures or by contact with an ignition source.

Auto-Ignition Temperature: >600C.

Flash Points: NA.

Flammable Limits: NA.

Products of Combustion: It emits toxic oxides of carbon and acetic acid when heated to decomposition.

Fire: Sodium acetate trihydrate may ignite at high temperatures.

Explosion: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media: Water spray. Use means suitable for extinguishing surrounding fire. Water spray, dry

chemical, alcohol foam, or carbon dioxide.

Special Information In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. At high temperatures or when moistened under fire conditions, it may produce toxic or irritating fumes.

6. Accidental Release Measures

Small Spill: Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Do not let the product enter drains. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

7. Handling and Storage

Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling.

Provide appropriate exhaust ventilation at places where dust is formed. If you feel unwell, seek medical attention.

Keep Sodium acetate anhydrous in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage or contact with oxidizing material and combustible substances.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established. Limit.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (WOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

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

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures: Maintain good housekeeping in work area. Dust deposits on floors and other surfaces may pick up moisture and cause the surfaces to become slippery and present safety hazards. Handle in accordance with good industrial hygiene and safety practice. Wash hands after handling.

9. Physical and Chemical Properties

Appearance: Sodium acetate anhydrous white or powder or granules.

Odor: None.

Solubility: Readily soluble in water.

pH: 6-10 at 1% solution at 25 C (77F)

Density: 1.53.

Molecular Weight: 82.03

Molecular Formula:

CH₃COONa

%Volatiles by volume @21C (70F):0

Boiling Point: Not available

Melting Point: 324C

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity

Stability: Sodium acetate anhydrous is stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Sodium acetate anhydrous may emit fumes of acetic acid upon heating and on contact with strong acids. Oxides of carbon are released on decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Nitric acid, fluoride, potassium nitrate, strong oxidizers and diketene.

Conditions to Avoid: Moisture, Heat, Incompatibles.

11. Toxicological Information

Routes of Entry: Inhalation, Ingestion, Contact.

Toxicity to Animals:

LD50 Oral - rat - 3,530 mg/kg

LC50 Inhalation - rat - 1 h - > 30,000 mg/m³

LD50 Dermal - rabbit - > 10,000 mg/kg

Special Remarks on Toxicity to Animals: Not available.

Carcinogenic Effects: Not a reported carcinogen.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

Chronic Effects on Humans: No information found.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Chronic Effects on Humans: -

Special Remarks on other Toxic Effects on Humans: -

Acute Potential Health Effects:

Inhalation: Sodium acetate anhydrous causes irritation to the respiratory tract.

Ingestion: Harmful if swallowed. May cause irritation to the gastrointestinal tract.

Skin Contact: Sodium acetate anhydrous causes irritation to skin.

Eye Contact: Causes irritation.

Chronic Exposure: NA.

12. Ecological Information

Environmental Toxicity:

Toxicity to fish

LC50 - Pimephales promelas (fathead minnow) - 13,330 mg/l - 120 h

LC50 - Lepomis macrochirus (Bluegill) - 5,000 mg/l - 24 h

LC50 Lepomis macrochirus: 5000 mg/l - 24 h

LC50 Bluegill/Sunfish: 5000 mg/l; 24 h

Toxicity to daphnia

Water Flea Data: 48 Hr EC50 water flea: 5800 mg/l 48 h

Biodegradability: 99 - Readily biodegradable

BODS and COD: Not available.
Environmental Fate: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

14. Transport Information

DOT (USA)
Not Regulated

IMDG
Not Regulated

IATA
Not Regulated

15. Regulatory Information

OSHA Hazards: No hazard as per OSHA.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 313: No chemicals are reportable under Section 313.

SARA 311/312 Hazards: Not listed.

TSCA: CAS# 7727-21-1 is listed on the TSCA inventory.

California Prop 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

Sodium acetate

CAS-No.

127-09-3

New Jersey Right To Know Components:

Sodium acetate

CAS-No.

127-09-3

EINECS: EC Number: 204-823-8

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 127-09-3

Canada - DSL/NDSL

CAS# 127-09-3 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations,

CAS# 127-09-3 is not listed on Canada's Ingredient Disclosure List.

Australian Hazchem Code: None

Poison Schedule: None

16. Other Information

Created: 1/10/2011

Last Updated: 1/12/2015



Disclaimer:

Our company provides this Sodium acetate anhydrous MSDS sheet in good faith but makes no representation as to its comprehensiveness or accuracy. This Sodium acetate anhydrous MSDS sheet is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The above information has been compiled from various sources and has the possibility of discrepancy and being out-dated information. Individuals receiving the information must exercise their independent judgment and do further search in determining its appropriateness for a particular purpose. In no case shall our company be liable to loss or damages by the product user.

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Chemical