

MATERIAL SAFETY DATA SHEET

July 1, 1986

SECTION I NAME

Product SODIUM ACETATE, ANHYDROUS

Chemical Synonyms Sodium Acetate, Anhydrous

Formula CH₃COONa

Unit(s) Size 2.5 kg.

C.A.S. No. 127-09-3

	CHEMTREC 800-424-9300 Day: 716-226-6177 Night: 716-334-4222	Health 1 Fire 0 Reactivity 0
	NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Sodium Acetate, Anhydrous	100%	

LOW HEALTH HAZARD FOR USUAL LABORATORY HANDLING.

SECTION III PHYSICAL DATA

Melting Point (°F)	324°C (615°F)	Specific Gravity (H₂O = 1)	1.528
Boiling Point (°F)	Decomposes	Percent Volatile by Volume (%)	Negligible as solid
Vapor Pressure (mm Hg)	Negligible as solid	Evaporation Rate	Not applicable
Vapor Density (Air = 1)	None listed		
Solubility in Water	Very soluble in water; 119 grams/100ml at 0°C.		
Appearance and Odor	White powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-volatile solid (NA)	Flammable Limits in Air (% by Volume (unknown))	Lower: _____ Upper: _____
Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO ₂).		

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

May leave a caustic residue of sodium oxide, which may burn eyes, skin, clothing, fire hose, etc. Also damaging to electrical equipment. Can react vigorously with oxidizing materials.

P.O.T. NON-REGULATED.

SECTION V HEALTH HAZARD DATA

Threshold Limited Value

None established.

Effects of Overexposure

Low hazard.
IRRITATION: No symptoms known.
EYE OR SKIN EXPOSURE: No symptoms known, but may be a mild irritant.

Emergency and First Aid Procedures

000982

CONTACT: Flush eyes or skin thoroughly with water. For eyes, if irritation develops or persists get immediate medical attention.
IRRITATION: Remove to fresh air. If illness or discomfort develops get medical attention.

SECTION VI REACTIVITY DATA

Stability	Conditions to Avoid
Unstable	Excessive temperature and heat.
Stable	x

Incompatibility (Materials to avoid)

Strong oxidants, particularly Potassium Nitrate.

Hazardous Decomposition Products

Hazardous Polymerization

May Occur Will Not Occur

We have no data on this product, but would expect acetic acid at high temperatures and at higher, carbon dioxide and carbon monoxide. Also caustic residue.
Conditions to Avoid _____

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Keep away from strong oxidizers. Sweep up and place in a suitable container.

Waste Disposal Method

Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.

SECTION VIII SPECIAL PROTECTION INFORMATION

Discharge, treatment, or disposal may be subject to federal, state, or local laws.
Respiration Protection None should be needed in normal laboratory use. (If dusty conditions prevail, wear a NIOSH-approved dust mask or work in a ventilation hood.)

Ventilation	Local Exhaust	Mechanical (General)	Other	No	Yes
	Recommended				

Protective Gloves	Eye Protection
Not generally required.	Chemical safety glasses.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Hydroscopic. Store in a cool, dry place away from strong oxidizing materials. Wash thoroughly after handling.
 Keep container tightly closed when not in use.

Other Precautions

Read label on container before using.



FREY SCIENTIFIC

905 HICKORY LANE MANSFIELD OHIO 44905

MSDS No. Effective Date

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
 Rev. No. No. 1 Date 1/12/87 Approved *William W. Cascard* Chemical Safety Coordinator

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.