

24 HOUR EMERGENCY ASSISTANCE
CHEMTREC 800-424-9300
HAZARD RATING

4-EXTREME	Health Hazard	1
3-SEVERE	Flammability	1
2-MODERATE	Reactivity	0
1-SLIGHT		
0-MINIMAL		

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on file.

Product No. C3403T
Product Name CALCIUM ACETATE
 MONOHYDRATE

SECTION I	NAME
Chemical Synonyms	Brown acetate of lime
Formula	Ca(H ₃ CCOO) ₂ •H ₂ O
C.A.S. No.	5743-26-0

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	P.E.L.	TLV Units
Calcium Acetate, monohydrate	100%	None Established	None Established

Caution may cause irritation to skin and eyes.

* chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes on heating above 320°F	Specific Gravity (H₂O=1)	1.50
Boiling Point (°F)	Decomposes	Percent Volatile by Volume (%)	Negligible as solid
Vapor Pressure (mm Hg)	Negligible as solid	Evaporation Rate (=1)	Not applicable
Vapor Density (Air=1)	Unknown		
Solubility in Water	43.6 grams per 100ml water at 0°C		
Appearance & Odor	White powder; Slight odor of acetic acid.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	Lower	Upper
		N/A	N/A	N/A
Extinguisher Media	Use medium suitable for extinguishing supporting fire.			

Special Firefighting Procedures

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

Unusual Fire and Explosion Hazards

Decomposes on heating above 320°F to form highly flammable acetone and calcium carbonate; can react vigorously with oxidizing materials.

D.O.T. Not Regulated

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

SECTION V HEALTH HAZARD DATA

Threshold Limit Value
 None Established

Effects of Overexposure
INHALATION: of dust or mist, may irritate respiratory tract.
EYE OR SKIN CONTACT: may irritate.
INGESTION: no data available, considered to be low toxicity.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If illness or discomfort develop, get medical attention. **EYE:** Flush eyes with water for 15 minutes. Get medical attention.
SKIN: Flush with water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water, and call a physician.

SECTION VI REACTIVITY DATA

Stability	Conditions to Avoid
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Excessive temperatures and heat.
Incompatibility (Materials to Avoid)	Strong oxidents.
Hazardous Decomposition Products	Acetone, Calcium Carbonate; the latter on further heating (to 825°C) yielding quick-lime and carbon dioxide.
Hazardous Polymerization	Conditions to Avoid
May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	N/A

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled
 Sweep up and place on a suitable container.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.
 Dispose of in a approved manner.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH-approved dust mask.			
Ventilation	Local Exhaust	Recommended	Special	No
	Mechanical (General)	Recommended	Other	No
Protective Gloves	Rubber if irritancy is experienced	Eye Protection	Chemical Safety Glasses	
Other Protective Equipment	Goggles, smock, apron, proper gloves, and eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
 Keep container tightly closed when not in use.
 Store in a cool, dry place. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.
 Read label on container before using.
 For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Approved by Steven C. Quandt **Effective Date** 10/13/2000 For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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