

SARGENT-WELCH

VWR S ENTIFIC

911 Commerce Court • Burralo Grove • Illinois 60089-2375

1-800-727-4368

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC 800-424-9300

HAZARD RATING

4-EXTREME

3-SEVERE

2-MODERATE

1-SLIGHT

0-MINIMAL

Health Hazard

1

Flammability

1

Reactivity

0

SECTION I

NAME

Chemical Synonyms

Brown acetate of lime

Formula

Ca(H₃CCOO)₂•H₂O

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

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

N/A

Lower

N/A

Upper

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 ☒

Unstable ☐

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 ☐

Will Not Occur ☒

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.

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 determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.