



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Magnesium Acetate Tetrahydrate**
PRODUCT NO: 2439
CAS NO: 16674-78-5
SYNONYMS: Acetic acid, magnesium(+2)salt, tetrahydrate, acetic acid magnesium salt
MANUFACTURER:

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

HMS CLASSIFICATION:

Health: 0 Chronic:* Flammability: 0 Reactivity: 1

NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

EYE CONTACT: May cause slight to mild irritation of the eyes.

SKIN CONTACT: May cause slight to mild irritation of the skin.

INHALATION: (If dust) May be irritating to the nose, mucous membranes and respiratory tract.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $Mg(OOCCH_3)_2 \cdot 4H_2O$

Molecular Weight: 214.46

CHEMICAL NAME	CAS#	%
Magnesium acetate tetrahydrate	16674-78-5	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

SECTION 4 FIRST AID MEASURES (Cont.)

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: No data available

EXPLOSION LIMITS: No data available

EXTINGUISHING MEDIUM: Carbon dioxide, dry powder, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit toxic organic fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None unusual fire or explosion hazards.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid dust formation. Avoid breathing vapors, mist, or gas.

ENVIRONMENTAL PRECAUTIONS: Do not let product enter drains or allow to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Small spills can be mixed with vermiculite or sodium carbonate and swept up.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

CONDITIONS FOR SAFE STORAGE: Store material in a tightly sealed container. Keep away from heat and moisture.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical resistant gloves.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid

MELTING POINT: 80° C

BOILING POINT: No data available

MOLECULAR WEIGHT: 214.46

ODOR: No data available available

SPECIFIC GRAVITY: 1.454 gm/ml

VAPOR PRESSURE: Not applicable

SOLUBILITY IN WATER: Very soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Air and moisture stable

HAZARDOUS POLYMERIZATION: No hazardous polymerization.

CONDITIONS TO AVOID: Moisture

SECTION 10 STABILITY AND REACTIVITY (Cont.)

INCOMPATIBILITY: Active metals and strong oxidizing agents

DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, organic vapors, metal oxides, and carbonates.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Intravenous – mouse – 111 mg/kg

CARCINOGENIC EFFECTS: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

MUTAGENIC EFFECTS: No data

TETRAOGENIC EFFECTS: No data

RTECS DATA: AI5600000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

Not a dangerous good

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed in the TSCA inventory

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

SARA (TITLE 313): There are no chemicals in this component that are known that exceed the threshold by SARA Title III, Section 313.

SARA 311/312 HAZARD: Chronic Health Hazard

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Magnesium di(acetate) tetrahydrate

NEW JERSEY RIGHT TO KNOW COMPONENTS: Magnesium di(acetate) tetrahydrate

CALIFORNIA PROP. 65 COMPONENTS: There are no chemicals in this product that are known to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 05/14

SDS DEPT.