



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### MAGNESIUM LACTATE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: L-Magnesium-2-hydroxy propionate

CAS #: 18917-93-6

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Magnesium Lactate 98% min.

Magnesium 10.0% - 10.5%

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless white powder. It has little or no known hazard.

POTENTIAL HEALTH EFFECTS:

Eyes and Skin: May cause irritation.

Inhalation: May cause irritation to the upper respiratory tract.

Ingestion: No hazard with normal use.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

#### SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for 15 minutes.

Skin: Wash off with soap and water.

Inhalation: Move to fresh air.

Ingestion: Wash out mouth, then dilute by drinking several glasses of water.

Magnesium Lactate

AMERICAN INTERNATIONAL CHEMICAL, INC. 800 238 0001

Page 1 of 4

With all of the above: Consult a physician if symptoms persist.

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## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire, water, carbon dioxide and foam.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear.

Unusual Fire Explosion Hazard: Not Applicable

Auto Ignition Temperature: Not Applicable

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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## **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Available

Vapor Density (AIR=1): Not Applicable

Percent Volatile by Volume (%): Not Applicable

Melting Point: > 392°F (Anhydrous)

Solubility in Water: 5.2g in 100g water at 68°F

pH: 5.0 – 9.0

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Oxides

KEEP AWAY FROM: Strong oxidizing agents

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Similar to other Magnesium Salts

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Similar to other Magnesium Salts

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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## **SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: Magnesium Lactate

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## **SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Not Considered a Hazard.

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## **SECTION 16 - OTHER INFORMATION**

HMIS Rating: Health 0 Flammability 0 Reactivity 0 Protection A

NFPA Rating: Health 0 Flammability 0 Reactivity 0

Reason for Issue: Changed Date

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