



THE POWER OF THREE³

PHARMCO-AAPER
AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEETS

Manufacturer: PHARMCO-AAPER
58 Vale Road
Brookfield, CT 06804
Phone (203) 740-3471
Fax (203) 740-3481

1101 Isaac Shelby Drive
Shelbyville, KY 040065
Phone (502) 633-0650
Fax (502) 6330685

Emergency Contact:

CHEMTREC 1-800-424-9300

PRODUCT NAME:

MAGNESIUM HYDROXIDE

MSDS #: MAMAGHY

PRODUCT IDENTIFICATION:

Synonyms: Magnesium hydrate; brucite

Formula CAS No.: 1309-42-8 Molecular Weight: 58.32

Hazardous Ingredients: Not applicable. Chemical Formula: Mg(OH)₂

PRECAUTIONARY MEASURES

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

EMERGENCY FIRST AID

SEE SECTION 5.

DOT Hazard Class: Not Regulated

Physical Data

Appearance: White powder.

Odor: Odorless.

Solubility: Practically insoluble in water.

Boiling Point: Not applicable.

Melting Point: Decomposes ca. 350 C. (ca. 662 F.)

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Specific Gravity: 2.36

Evaporation Rate: No information found.

Fire and Explosion SECTION 2

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Reactivity Data SECTION 3

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition

Products: No hazardous decomposition products.

Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: Acids, maleic anhydride and potassium.

Leak/Spill Disposal Information SECTION 4

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Disposal: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Ensure compliance with local, state and federal regulations.

Health Hazard Information SECTION 5

A. Exposure/Health Effects

Inhalation: Inhalation of dust may cause nausea, irritation to the mucous membranes, sore throat, coughing, headache, and fever.

Ingestion: May cause diarrhea. Massive overdoses may cause dangerous and even fatal intoxications. Symptoms may include nausea, vomiting, general discomfort and confusion.

Skin Contact: May cause redness.

Eye Contact: May cause mild irritation.

Chronic Exposure: No information found.

Aggravation of

Pre-existing Conditions: No information found.

B. FIRST AID

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Exposure: Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes.

Get medical attention if irritation develops or persists.

Eye Exposure: Wash eyes with plenty of water for at least 15 minutes.

If irritation develops, get medical attention.

C. TOXICITY (RTECS, 1986)

No LD50/LC50 information found relating to normal routes of occupational exposure.

Occupational Control Measures SECTION 6

Airborne Exposure Limits: None established.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators For conditions of use where exposure to the dust (NIOSH Approved) is apparent, a dust/mist respirator may be worn.

For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

Storage and Special Information SECTION 7

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Protect against physical damage.

Addendum to Material Safety Data Sheet

REGULATORY STATUS

Hazard Categories for SARA

Section 311/312 Reporting

Acute Chronic Fire Pressure Reactive

SARA Sec. 313

SARA EHS Chemicals CERCLA RCRA

Product or Components Sec. 302 Name Chemical Sec.103 Sec.

of Product: RQ TPQ List Category RQ lbs 261.33

MAGNESIUM HYDROXIDE

(1309-42-8) No No No No No No

SARA Section 302 EHS RQ:

Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:

Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (*)

following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:

Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund) Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA:

Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

Addendum to MSDS - California Proposition 65

The State of California requires that we provide to customers and employees in California warnings about reproductive and carcinogenic hazards associated with substances sold in California that are listed under Proposition 65. Information on this Proposition 65 MSDS addendum addresses that requirement and should be used in conjunction with this Material Safety Data Sheet.

Product(s): MAGNESIUM HYDROXIDE USP POWDER TAC

CAS NO. 1309-42-8

WARNING: This product may contain a chemical known to the state of California to cause birth defects or other reproductive harm.

Maximum Limits of Impurities

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein.