



Section 1. Product and Company Identification

Product Name Magnesium Oxide
CAS Number 1309-48-4

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Emergency Overview

OSHA Hazards: No known OSHA hazards

HMIS Classification

Health Hazard: 0

Flammability: 0

Physical Hazards: 0

NFPA Rating

Health Hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Section 3. Composition / Information on Ingredients

Common Name Magnesium oxide
Formula MgO
CAS Number 1309-48-4

Section 4. First Aid Measures

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration

Skin contact: Wash off with soap and plenty of water.

Eye contact: Flush eyes with water as a precaution.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.



Section 5. Firefighting Measures

Flammable properties

Flash point: Not applicable

Ignition temperature: No data available

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Section 6. Accidental Release Measures

Personal precautions: Avoid dust formation.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. Air and moisture sensitive.

Section 8. Exposure Controls / Personal Protection

Components with workplace control parameters

Components: Magnesium oxide

CAS-No.: 1309-48-4

Value: TWA

Control parameters: 10 mg/m³

Update Basis: 2003-01-01 US. American Conference of Governmental and Industrial Hygienists Threshold Limit Values for Chemical Substances in the Work Environment; Annual Reports for the Year 2004: Committees on Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs)
Remarks The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans.

Refers to Appendix A -- Carcinogens.

ACGIH 2003 Adoption

Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPMTLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.

TWA 10 mg/m³ 1989-03-01 US. Department of Labor - Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1000 Z-1-A

TWA 15 mg/m³ 1993-06-30 US. Department of Labor - Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PEL) 29 CFR 1910.1000 Air Contaminants.



Personal protective equipment

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: For prolonged or repeated contact use protective gloves.

Eye protection: Safety glasses

Hygiene measures: General industrial hygiene practice.

Section 9. Physical and Chemical Properties

Appearance

Form: Powder

Color: White

Safety data

Melting point: 2,852 °C (5,166 °F)

Boiling point: 3,600 °C (6,512 °F) at 1,013 hPa (760 mmHg)

Density: 3.580 g/cm³

Water solubility: Insoluble

Section 10. Stability and Reactivity

Storage stability: Stable under recommended storage conditions.

Conditions to avoid: Air sensitive.

Materials to avoid: Strong oxidizing agents, May react violently with: phosphorous pentachloride, Strong acids

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Magnesium oxide

Section 11. Toxicological Information

Acute toxicity: No data available

Irritation and corrosion: No data available

Sensitisation: No data available

Chronic exposure: Carcinogenicity - Hamster - Intratracheal

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Olfaction: Tumors. Lungs, Thorax, or Respiration: Tumors.

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

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.



Signs and Symptoms of Exposure: Ingestion or inhalation of a large quantity may cause a feverish reaction and leukocytosis., Diarrhoea

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Additional Information: RTECS: OM3850000

Section 12. Ecological Information

Elimination information (persistence and degradability): No data available

Ecotoxicity effects: No data available

Further information on ecology: No data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goodse

Section 15. Regulatory Information

OSHA Hazards: No known OSHA hazards

DSL Status: All components of this product are on the Canadian DSL list.

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

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right To Know Components: Magnesium oxide CAS-No. 1309-48-4 Revision Date 1991-07-01

Pennsylvania Right To Know Components: Magnesium oxide CAS-No. 1309-48-4 Revision Date 1991-07-01

New Jersey Right To Know Components: Magnesium oxide CAS-No. 1309-48-4 Revision Date 1991-07-01



California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 9/11/2015

