



Section 1: Company and Product Identification

Product Name: Magnesium Oxide, Caustic Calcined Magnesite
Product Code(s): MgO, CCM, MgO Std
Alternate Names: Caustic Calcined Magnesia, Magnesium Oxide
Company: Feed Products & Service Company
12444 Powerscourt Dr.
St. Louis, MO 63131
PH: (314) 843-7300

Product Use(s): Animal Feed Nutritive Additive, Buffering Agent

Section 2: Hazards Identification

Hazard Pictograms:



Signal Word: Not Applicable

Hazard Category: Non-classified

Hazard Statements: Not Applicable

Precautionary Statements:
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable

Hazards not otherwise classified: None applicable

Section 3: Composition / Information on Ingredients

Substance Name	Hazard Category	CAS#	Weight %
Calcined Magnesia	Eye Irrit Cat 2	1309-48-4	>90
Other Metallic Complexes	Non-hazardous See Section 8.		

Section 4: First Aid Measures

General Info: Creation of excessive dusts may result in exposures to mineral dusts (See section 8).

Notable Exposure No specific notable exposure symptoms. Acute: May cause mechanical irritation. Delayed: No symptoms: information on significant adverse effects.

If ingested: Rinse mouth. Drink plenty of water. Consult medical attention if any symptoms develop.

If inhaled: Remove to fresh air. Observe for breathing difficulties. Consult medical advice if asthma-like symptoms develop.

Eye contact: Flush eyes with water for at least 15 minutes.. Remove contacts if present. Consult medical advice if irritation persists.

Skin contact: Wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Consult medical advice if irritation develops.

Additional Info: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General Info: This product is not flammable and poses a negligible fire hazard.

Extinguishing Use extinguishing agents appropriate for surrounding fire.

Method / Equipment:

Hazardous Negligible fire hazard.

Decomposition Info:

Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: Wear personal protective clothing and equipment, see section 8.

Containment Equipment and Procedures: Collect spilled material in appropriate container for disposal.

Cleanup Procedures: No specific measures.

Section 7: Handling and Storage

Safe Handling Observe good hygiene and safety practices when handling this product.

Precautions:

Recommendations None needed according to classification material.
for Storage:

Incompatibilities: Store away from strong acids or oxidizing agents. Refer to Section 10.

Section 8: Exposure Control / Personal Protection

General/Engineering Local exhaust ventilation should be utilized to control dusts.

Controls:

Work Clothing: Protective work clothing that prevents skin contact is suggested.

Eye/face protection: Utilize eye protection if eye contact is likely. Provide emergency eye wash.

Skin Protection: Utilize work gloves as needed. Wear appropriate chemical resistant clothing.

Respiratory Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

Protection: Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. 150 mg/m³, any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, or P100. Any supplied-air respirator. 375 mg/m³, any supplied-air respirator operated in a continuous-flow mode. Any powered, air-purifying respirator with a high-efficiency particulate filter. 750mg/m³, any air-purifying, full-facepiece respirator equipped with an N100, R100, or P100 filter. Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter. Any self-contained breathing apparatus with a full facepiece. Any supplied-air respirator with a full facepiece. Emergency or planned entry into unknown concentrations or IDLH conditions - Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an N100, R100, or P100 filter. Any appropriate escape-type, self-contained breathing apparatus. Any supplied-air respirator with a full-facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode. Any self-contained breathing apparatus that has

Additional Information: Observe good chemical hygiene practices.

Substance Name	OSHA PEL	ACGIH-TLV	NIOSH
Magnesium Oxide 1309-48-4	15 mg/m ³ (total dust) TWA Fume, total Particulate	10 mg/m ³ TWA inhalable fraction	750 mg/m ³ IDLH fume
nuisance particulate	15 mg/m ³	10 mg/m ³ (dust)	750 mg/m ³

Section 9: Physical and Chemical Properties

State: Powder **Melting Point:** NA

Freezing NA
Point:

Color: NA

Boiling Point/Range: NA

pH NA

Bulk Density: 1105
kg/m³

Odor: odorless

Water Solubility: Partial

Evaporation rate: NA

Flash Point: NA

Part. Coeff (n-oct/water): NA

Section 10: Stability and Reactivity

General: Product is stable under normal temperatures and pressure.

Incompatible materials: Acids, metals, halogens, combustible materials

Decomposition products: Miscellaneous decomposition products.

Section 11: Toxicological Information

Toxicological Information (product): LD50/LC50 No selected endpoints identified.

Likely Routes of Exposure: Eye contact, inhalation of dust

Irritation: Excessive contact may result in irritation of eyes, skin, or mucous membranes.

Carcinogenicity or mutagenicity: Product is not a carcinogen or mutagen.

Sensitization: No data available.

Section 12: Ecological Information

General information: Product not tested. Not expected to pose an environmental hazard.

Aquatic toxicity: No LOEL ecotoxicity data available.

Degradation / Mobility info: No specific data available.

Bioaccumulative potential: No specific data available.

Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations.

Container disposal: No further information.

Section 14: Transport Information

DOT: Product is not classified as dangerous goods.

Section 15: Regulatory Information

TSCA: Not listed in 12(b)

CERCLA RQ: Not listed in (40CFR 302.4)

SARA listings No components are listed under SARA Sections 302/304 (40CFR 355 Appendix A). Section 311/312 (40 CFR 370 Subparts B & C). No listing under Section 313 (40 CFR 372.65)

California Prop 65 Product not listed.

Substances:

Canada Regulations: No

Canada WHMIS (IDL): Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on SDS's if they are included in products which meet WHMIS criteria specified in the control products Regulations and are present above the threshold limits listed on the IDL.

Magnesium Oxide 1309-48-4	1.00%						
Component analysis - inventory	US	CA	EU	AU	PH	JP-ENCS	
	Yes	DSL	EIN	Yes	Yes	Yes	
Component analysis - inventory	CN	NZ	MX	KR-TCCA	JP-ISHL	KR-KECI/KECL	
	Yes	Yes	Yes	No	No	Yes	

Section 16: Other Information

SDS Author: Product Technical Dept.

Version Date:

7/24/2018

The provider of this SDS suggests that the buyer or user to study it carefully and consult with appropriate expertise, as necessary to become aware of and understand the information contained herein. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer or user's responsibility to ensure that its activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. It is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Information regarding the exact chemical identity or concentration of certain substances may be reserved as a trade secret as per 29 CFR 1910.1200(i).

Legend ACGIH-American Conference of Governmental Industrial Hygienists, ADR-European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD -Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™- ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH -Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US-United States