

Offer Sheet

Product	Magnesium Oxide FCC Powder
Quantity	50lb. bags
Net weight	~66,048 lbs.
Manufacture date	See exp dates below
Availability	One time
Location	Northeast
Date	9/11/26
COA & SDS	Attached below

Total of 29,959 kg's available (**66,048 lbs.**) Supplied by Marincor. Please make a delivered offer. this is **MARINCO® Heavy Magnesium Oxide, FCC grade**, manufactured by Martin Marietta Magnesia Specialties. The individual lots were manufactured between **July and September 2024**, packaged in **50-lb bags**, and tested to FCC 9th Edition requirements. The COAs show MgO assay results of approximately **96.8–98.7%**, with very low lead and arsenic.

ITEM DESCRIPTION	PACK SIZE	EXP DATE	LOT#	QUANTITY KG
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	7/2/2026	070224	703
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	7/1/2026	070224	249
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	8/24/2026	082424	8777
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	9/2/2026	090224	2155
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	9/2/2026	090224	1451
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	9/23/2026	092324	14447
MAGNESIUM OXIDE FCC POWDER	50 LB BAG	9/22/2026	092324	2177

Brian Svrusis
Solvent Systems International
575 Bennett Road
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](#)
[Solvent-Systems.com](#)



Food Grade MgO

Analysis of Shipment

Date: Oct 31 2024 3:09PM

Product: MARINCO FCC MgO

Plant Shipping No.: _____

Date Shipped: Oct 30 2024 12:00AM

Carrier: COLLECT CUSTOMER CARRIER

AIB TRUCKING

Package: 50# Bags (WT1600)

Customer Order No.

Attention: -Preview-

DETERMINATIONS

Lot:
Manufacture Date:

070224
2024-07-02

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	97.0
Acid Insolubles, %	0.1% max.	0.06
Free Alkalis & Soluble Salts, mg	10 mg max.	8
Arsenic, mg/kg	3 mg/kg max.	<0.500
Calcium, as CaO, %	1.5% max.	0.84
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	4.27

Magnesium Oxide and Magnesium Hydroxide products naturally absorb moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize the impact to Loss on Ignition, free moisture, flowability and reactivity. This product has a recommended retest date of: 24 months from the date of manufacture.

Gody Banks

Laboratory Manager

Martin Marietta Magnesia Specialties LLC.

P.O. Box 398 Manistee, MI 49660 Telephone: (231) 723-1239



Analysis of Shipment

Date: Oct 31 2024 3:14PM

Product: MARINCO FCC MgO

Plant Shipping No.: _____

Date Shipped: Oct 30 2024 12:00AM

Carrier: COLLECT CUSTOMER CARRIER
SAGE TRUCKING

Package: 50# Bags (WT1600)

Customer Order No.
Attention: -Preview-

DETERMINATIONS

Lot: 070224
Manufacture Date: 2024-07-02

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	97.0
Acid Insolubles, %	0.1% max.	0.06
Free Alkalis & Soluble Salts, mg	10 mg max.	8
Arsenic, mg/kg	3 mg/kg max.	<0.500
Calcium, as CaO, %	1.5% max.	0.84
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	4.27

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Jody Banks

Laboratory Manager

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P.O. Box 398 Manistee, MI 49660 Telephone: (231) 723-1239



Analysis of Shipment

Date: Sep 25 2024 7:03AM

Product: MARINCO FCC MgO

Plant Shipping No.:

Date Shipped: Sep 23 2024 12:00AM

Carrier: COLLECT CUSTOMER CARRIER
BLUE STALLION

Package: 50# Bags (WT1600)

Customer Order No.:

Attention:

DETERMINATIONS

Lot: 082424
Manufacture Date: 2024-08-24

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	98.0
Acid Insolubles, %	0.1% max.	0.02
Free Alkalis & Soluble Salts, mg	10 mg max.	6
Arsenic, mg/kg	3 mg/kg max.	<0.500
Calcium, as CaO, %	1.5% max.	0.79
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	4.23

Magnesium Oxide and Magnesium Hydroxide products naturally absorb moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize the impact to Loss on Ignition, free moisture, flowability and reactivity. This product has a recommended retest date of: 24 months from the date of manufacture.

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Food Grade MgO

Analysis of Shipment

Date: Sep 25 2024 7:03AM

Product: MARINCO FCC MgO

Plant Shipping No.

Date Shipped: Sep 23 2024 12:00AM

Carrier: COLLECT CUSTOMER CARRIER
BLUE STALLION

Package: 50# Bags (WT1600)

Customer Order No.

Attention:

DETERMINATIONS

Lot:

090224

Manufacture Date:

2024-09-02

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	98.7
Acid Insolubles, %	0.1% max.	0.01
Free Alkalis & Soluble Salts, mg	10 mg max.	7
Arsenic, mg/kg	3 mg/kg max.	0.300
Calcium, as CaO, %	1.5% max.	0.77
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	3.99

Magnesium Oxide and Magnesium Hydroxide products naturally absorb moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize the impact to Loss on Ignition, free moisture, flowability and reactivity. This product has a recommended retest date of: 24 months from the date of manufacture.

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Product: MARINCO FCC MgO

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Date Shipped: Oct 30 2024 12:00AM

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AIB TRUCKING

Package: 50# Bags (WT1600)

Customer Order No.: _____

Attention: -Preview-

DETERMINATIONS

Lot: 090224
Manufacture Date: 2024-09-02

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	98.7
Acid Insolubles, %	0.1% max.	0.01
Free Alkalis & Soluble Salts, mg	10 mg max.	7
Arsenic, mg/kg	3 mg/kg max.	0.300
Calcium, as CaO, %	1.5% max.	0.77
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	3.99

Magnesium Oxide and Magnesium Hydroxide products naturally absorb moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize the impact to Loss on Ignition, free moisture, flowability and reactivity. This product has a recommended retest date of: 24 months from the date of manufacture.

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Analysis of Shipment

Date: Oct 31 2024 3:09PM

Product: MARINCO FCC MgO

Plant Shipping No.: _____

Date Shipped: Oct 30 2024 12:00AM

Carrier: COLLECT CUSTOMER CARRIER

AIB TRUCKING

Package: 50# Bags (WT1600)

Customer Order No. _____

Attention: -Preview-

DETERMINATIONS

Lot: 092324
Manufacture Date: 2024-09-23

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	96.8
Acid Insolubles, %	0.1% max.	0.01
Free Alkalis & Soluble Salts, mg	10 mg max.	5
Arsenic, mg/kg	3 mg/kg max.	<0.500
Calcium, as CaO, %	1.5% max.	0.87
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	4.17

Magnesium Oxide and Magnesium Hydroxide products naturally absorb moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize the impact to Loss on Ignition, free moisture, flowability and reactivity. This product has a recommended retest date of: 24 months from the date of manufacture.

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Food Grade MgO

Analysis of Shipment

Date: Oct 31 2024 3:14PM

Product: MARINCO FCC MgO

Plant Shipping No.: _____

Date Shipped: Oct 30 2024 12:00AM

Carrier: COLLECT CUSTOMER CARRIER

SAGE TRUCKING

Package: 50# Bags (WT1600)

Customer Order No _____

Attention: -Preview-

DETERMINATIONS

Lot: 092324
Manufacture Date: 2024-09-23

Heavy Magnesium Oxide

Tested In Accordance With The FCC, 9th Edition

Identification	Pass / Fail	PASS
Assay, %	96.0% min. - 100.5% max.	96.8
Acid Insolubles, %	0.1% max.	0.01
Free Alkalis & Soluble Salts, mg	10 mg max.	5
Arsenic, mg/kg	3 mg/kg max.	<0.500
Calcium, as CaO, %	1.5% max.	0.87
Lead, mg/kg	4 mg/kg max.	<0.500
Loss On Ignition, %	10% max.	4.17

Magnesium Oxide and Magnesium Hydroxide products naturally absorb moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize the impact to Loss on Ignition, free moisture, flowability and reactivity. This product has a recommended retest date of: 24 months from the date of manufacture.

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Marinco® Magnesium Oxide

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 04/08/2014 Revision date: 03/04/2024 Supersedes: 04/08/2021

Version: 1.4

SECTION 1: Identification

1.1. Identification

Product form : Substance
Trade name : Marinco® FCC,

Chemical name : Magnesium oxide
CAS-No. : 1309-48-4
Formula : MgO
Other means of identification : calcined brucite magnesia, calcined magnesia, calcined magnesite, magnesite burnt
deadburned refractory, periclase, sea-water magnesia, oxomagnesia

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LBB Specialties®

601 Merritt 7, 1st Floor, Norwalk, CT 06851
203-299-3220 | lbbspecialties.com

1.2. Recommended use and restrictions on use

Use of the substance/mixture : For use in food applications or applications requiring food grade (Food Chemical Codex)
magnesium oxide.

1.3. Supplier

Martin Marietta Magnesia Specialties
1800 Eastlake Road
Manistee, Michigan 49660 - USA
T +001 410 780 5500

24-Hour Emergency Number: CHEMTREC

1-800-424-9300 (Domestic)

1-703-741-5500 (International)

1.4. Emergency telephone number

Emergency number : CHEMTREC, U.S.: 1-800-424-9300 INTERNATIONAL: +1-703-527-3887 Available 24/7

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : Marinco® Magnesium Oxide
CAS-No. : 1309-48-4

Name	Product identifier	%	GHS US classification
Magnesium oxide	(CAS-No.) 1309-48-4	98	Not classified
Oxides of silicon, iron, aluminum, and calcium	(CAS-No.) mixture	2	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical
advice (show the label where possible).

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position
comfortable for breathing.

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First-aid measures after skin contact	: Not expected to be an irritant. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use. Do not breathe dust.
Symptoms/effects after inhalation	: Inhalation may cause: irritation, cough, shortness of breath.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Ingestion generally causes purging of the bowels. Swallowing large amounts may cause bowel obstruction.

4.3. Immediate medical attention and special treatment, if necessary

No special procedures required.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Not combustible. If there is a fire close by, use suitable extinguishing agents. Water fog. Carbon dioxide. Dry powder. Foam.
Unsuitable extinguishing media	: None known.

5.2. Specific hazards arising from the chemical

Fire hazard	: If heated to decomposition (>1700 °C), magnesium oxide fumes may be generated.
Explosion hazard	: Product is not explosive.
Reactivity	: Reacts with : Incompatible materials.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: No additional risk management measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid creating or spreading dust. Dust deposited may be vacuum cleaned.
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6.1.1. For non-emergency personnel

Protective equipment	: Where excessive dust may result, use approved respiratory protection equipment.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Where excessive dust may result, use approved respiratory protection equipment.
Emergency procedures	: Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Contain and collect as any solid.
Methods for cleaning up	: Sweep up spilled material without making dust.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Provide good ventilation in process area to prevent formation of dust.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures.

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep container closed when not in use.
Incompatible materials	: ACID (Strong) - vigorous reaction, heat generated; Chlorine Trifluoride reacts violently, producing flame; Phosphorous Pentachloride - incandesces brilliantly. NOTE: Exposure to water may cause this product to slowly hydrate, during which heat may be generated (exothermic reaction).
Prohibitions on mixed storage	: Keep away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Marinco® (1309-48-4)		
ACGIH	Local name	Magnesium oxide
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
Magnesium oxide (1309-48-4)		
ACGIH	Local name	Magnesium oxide
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
ACGIH	Remark (ACGIH)	(inhalable fraction)
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³
Oxides of silicon, iron, aluminum, and calcium (mixture)		
Not applicable		

8.2. Appropriate engineering controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation to minimize exposure to dust. Use engineering controls to eliminate or reduce exposures below exposure limits.
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8.3. Individual protection measures/Personal protective equipment

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product. Where excessive dust may result, wear goggles

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use an N95 respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: white
Odor	: odorless
Odor threshold	: No data available
pH	: No data available
pH solution	: 10.3 saturated aqueous solution
Melting point	: 2827 (2797 - 2857) °C
Freezing point	: No data available
Boiling point	: 3600 °C
Flash point	: Product does not sustain combustion
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Vapor pressure at 50 °C	: 0 hPa
Relative vapor density at 20 °C	: 0

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Relative density	: No data available
Specific gravity / density	: 3.58 g/cm ³ (Theoretical density of MgO)
Molecular mass	: 40.3 g/mol
Solubility	: In water, material is partially soluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 1700 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : Incompatible materials.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Keep/Store away from incompatible materials.

10.5. Incompatible materials

ACID (Strong) - vigorous reaction, heat generated; Chlorine Trifluoride reacts violently, producing flame; Phosphorous Pentachloride - incandesces brilliantly. NOTE: Exposure to water may cause this product to slowly hydrate, during which heat may be generated (exothermic reaction).

10.6. Hazardous decomposition products

If magnesium oxide is heated to the point of volatilization (i.e., >1700 C), magnesium oxide fumes may be generated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Magnesium oxide (1309-48-4)	
LD50 oral rat	3870 - 3990 mg/kg
ATE US (oral)	3870 mg/kg body weight

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity – single exposure	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity – repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: No data available
Likely routes of exposure	: dermal. Inhalation.

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Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use. Do not breathe dust.
Symptoms/effects after inhalation	: Inhalation may cause: irritation, cough, shortness of breath.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Ingestion generally causes purging of the bowels. Swallowing large amounts may cause bowel obstruction.

SECTION 12: Ecological information

12.1. Toxicity

Magnesium oxide (1309-48-4)	
LC50 fish 1	1355 mg/l
EC50 Daphnia 1	190 mg/l

12.2. Persistence and degradability

Marinco® (1309-48-4)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Marinco® (1309-48-4)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

Magnesium oxide (1309-48-4)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden release of pressure hazard	No
	Reactive hazard	No

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Magnesium oxide (1309-48-4)

SARA Section 313 - Emission Reporting

Magnesium oxide is not hazardous and is not subject to Form R reporting requirements.

15.2. International regulations

Magnesium oxide (1309-48-4)

Jurisdiction	List	Comment
Asia Pacific	Asia - PAC	
Australia	Australian Inventory of Chemical Substances (AICS)	
	National Pollutant Inventory	magnesium oxide fume
	Priority Existing Chemicals	
China	Inventory of Existing Chemical Substances (IECSC)	
Japan	Existing and New Chemical Substances (ENCS)	# 1-465; inorganic compounds
Korea	KECI (Chemical Inventory of Korea)	KE-22728
New Zealand	Inventory of Chemicals (NZIoC)	HSNO approval
Phillippines	Inventory of Chemicals and Chemical Substances (PICCS)	
Europe	EEC International Cosmetics Ingredients Inventory (INCI)	absorbant/ buffering/ opacifying / additives
	EU REACH pre-registered	
	EU Inventory of Existing Commercial Chemical Substances (EINECS)	215-171-9
	German Water Hazard Class Substance List	5208 Classification: VwVwS
	Switzerland Giftliste 1 (List of Toxic Substances)	G-2368
Canada	Canadian Domesticated Substances List (DSL)	
	WHMIS Ingredient List	
United States	ACGIH Threshold Limit Values (TLV)	
	EPA Pesticide Inert Ingredients	
	FDA Priority-based Assessment of Food Additives (PAFA)	
	FDA Regulations	Use as colorant.
	High Production Volume Chemicals (HPV)	
	National Toxicology Program Technical Reports List	
	NIOSH Hazard, Toxicology, and Use Information	
	NIOSH Health Hazards	
	NIOSH Recommended Exposure Limits	10 mg/m ³
	OSHA Permissible Exposure Limits	8 hour TWA: total particulates 15 mg/ m ³
	Toxic Substances Control Act (TSCA) Inventory	
	Toxic Inventory Update Rule	
	TSCA Section 8A-Preliminary Assessment Information Rule (PAIR)	
Other	Health Hazards	RTECS: OM3850000
	High Production Volume Chemicals: ICCA	
	High Production Volume Chemicals: OECD	

15.3. US State regulations

 **WARNING :** This product can expose you to Lead and Nickel compounds, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Magnesium oxide (1309-48-4)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 03/04/2024

Data sources : ACGIH 2000.

Chemical Inspection & Regulation Service; accessed at: http://www.cirs-reach.com/Inventory/Global_Chemical_Inventories.html.

Ind. Exposure & Control Techn. for OSHA Regulated Substances - MgO (fume), March, 1989, pp. 1181-1184.

Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

RTECS, June 1998.

Sax - 8th Ed. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

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Other information : None.

Abbreviations and acronyms:

ACGIH (American Conference of Government Industrial Hygienists)

ATE: Acute Toxicity Estimate

CAS (Chemical Abstracts Service) number

EC50: Environmental Concentration associated with a response by 50% of the test population.

GHS: Globally Harmonized System (of Classification and Labeling of Chemicals)

LD50: Lethal Dose for 50% of the test population

OSHA: Occupational Safety & Health Administration

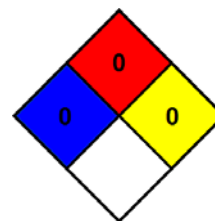
TSCA: Toxic Substances Control Act

TWA: Time Weighted Average

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Indication of changes:

Section	Changed item	Change	Comments
15	California Proposition 65 Disclosure	Added	

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