

# Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt

## Safety Data Sheet 5182

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

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture

Product name : Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt

Synonyms : Item Number / 0001495 / 0005594 / 0006775 / 0006778 / 0006817 / 0006818 / 0013417 / 0034689 / 0039392 / 0042160 / 0042161 / 0043753 / 0045045 / 0045262 / 0045441 / 0046956 / 0047042 / 0047716 / 0048322 / 0048853 / 0050589 / 0052583 / 0055543 / 0065847 / 3000938-501 / 3001702-106 / 3001703-106 / 3001704-106 / 3002923-704 / 3002923-713 / 3002923-912 / 3003219-949 / 3003672-703 / 3003881-201 / 3004325-106 / 3004332-903 / 3004624-703 / 3004764-949 / 4274369-101 / 4274371-101 / 4275777-106 / 4276186-101 / 4276300-106 / 4276372-106 / 4276372-119 / 4542139-501 / 4542320-201 / 4542468-501 / 4542503-501 / 4542524-501 / 4542531-101 / 4542681-501 / 4542733-501 / 4542735-501 / 4542774-201 / 4542810-501 / 4543141-501 / 4543206-201 / 4543515-501 / 4543794-501 / 4543870-501 / 4543880-501 / 4544225-501 / 4544557-501 / 4544603-501 / 4545166-501 / 4545666-201 / 4545667-501 / 4545679-201 / 4546994-501 / 4553005-501 / 4554444-201 / 4556406-501 / 4556613-501 / 4556615-501 / 4556825-501 / 4557046-501 / 4557073-501 / 4557387-501 / 4557427-501 / 4557458-101 / 4557961-501 / 4557996-501 / 4558535-501 / 4558580-501 / 4558854-501 / 4558863-501 / 4558873-501 / 4559677-501 / 4559780-501 / 4559813-501 / 4559819-501 / 4672721-201 / 4672850-201 / 4674626-201 / 4678512-201 / 4678513-201 / 4678514-201 / 4678877-201 / 4678889-201 / 4678926-201 / 4678932-201 / 4680170-201 / 4680206-201 / 4680463-201 / 4680464-201 / 4680474-201 / 4680499-201 / 4680500-201 / 4682964-201 / 4683165-201 / 4683528-201 / 4684135-201 / 4684254-201 / 4684284-201 / 4685036-201 / 4685086-201 / 5090248-101 / 5098127 / 5098127-501 / 9902454 / 9903247 / 9910023 / XT00215-703

#### 1.2. Recommended use and restrictions on use

Recommended use : Feed additive product- see product label

Restrictions on use : Uses other than listed on the manufacturer product label

#### 1.3. Supplier

Purina

4001 Lexington Avenue North

Arden Hills, MN 55126

T Non-Emergency Number Business Inquiries: 1-800-227-8941 Mon - Fri 8am - 5pm (Central Standard Time)

#### 1.4. Emergency telephone number

Emergency number : ChemTel 1-800-704-9215 (24hrs)

### 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.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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Name	Product identifier	%	GHS US classification
Magnesium oxide (MgO)	(CAS-No.) 1309-48-4	> 1	Not classified
Carbonic acid, calcium salt (1:1)	(CAS-No.) 471-34-1	> 1	Not classified

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

#### 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.

#### 4.3. Immediate medical attention and special treatment, if necessary

Not applicable.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam.  
Unsuitable extinguishing media : Not determined.

#### 5.2. Specific hazards arising from the chemical

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : In case of large spillages: Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Magnesium oxide (MgO) (1309-48-4)		
ACGIH	Local name	Magnesium oxide
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (inhalable particulate matter)
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (fume, total particulate)
Carbonic acid, calcium salt (1:1) (471-34-1)		
Not applicable		

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Appearance : solid in various forms.  
Color : Various  
Odor : characteristic  
Odor threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : Not applicable  
Boiling point : No data available  
Flash point : Not applicable  
Relative evaporation rate (butyl acetate=1) : No data available  
Flammability (solid, gas) : Non flammable.  
Vapor pressure : No data available  
Relative vapor density at 20 °C : No data available  
Relative density : Not applicable  
Solubility : No data available  
Log Pow : No data available  
Auto-ignition temperature : Not applicable  
Decomposition temperature : No data available  
Viscosity, kinematic : Not applicable  
Viscosity, dynamic : No data available  
Explosion limits : Not applicable  
Explosive properties : No data available

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Oxidizing properties : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Magnesium oxide (MgO) (1309-48-4)

LD50 oral rat	3870 mg/kg
ATE US (oral)	3870 mg/kg body weight

#### Carbonic acid, calcium salt (1:1) (471-34-1)

LD50 oral rat	6450 mg/kg
ATE US (oral)	6450 mg/kg body weight

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Reproductive toxicity : Not classified  
Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

#### Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
Carbonic acid, calcium salt (1:1) (471-34-1)	
BCF fish 1	(no bioaccumulation)

### 12.4. Mobility in soil

Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt	
Ecology - soil	Not established.

### 12.5. Other adverse effects

Effect on global warming Not established

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## 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

Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt	
SARA Section 311/312 Hazard Classes	None

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

Magnesium oxide (MgO) (1309-48-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Carbonic acid, calcium salt (1:1) (471-34-1)	
Listed on the Canadian DSL (Domestic Substances List)	

#### EU-Regulations

Magnesium oxide (MgO) (1309-48-4)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Carbonic acid, calcium salt (1:1) (471-34-1)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

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### National regulations

#### Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

#### Magnesium oxide (MgO) (1309-48-4)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### Carbonic acid, calcium salt (1:1) (471-34-1)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### 15.3. US State regulations

#### Products Containing Magnesium Oxide/Carbonic Acid Calcium Salt

U.S. - California - Proposition 65 - Other information	California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm
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#### Magnesium oxide (MgO) (1309-48-4)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date	: 05/31/2019
Other information	: <b>DISCLAIMER OF LIABILITY</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*