

Kyowa Chemical Industry Co., Ltd.  
**SAFETY DATA SHEETS**

# Heavy Magnesium Carbonate

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## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : Heavy Magnesium Carbonate

Manufacturer

Company Name : Kyowa Chemical Industry Co., Ltd.  
Address : 4035 Hayashida-cho, Sakaide, Kagawa, 762-0012, Japan  
Telephone number : +81-(0) 877-47-0011

Emergency telephone number

Kyowa Chemical Industry Co., Ltd.  
Telephone No. +81-(0) 877-47-4704 (Quality Assurance Dept.)  
Facsimile No. +81-(0) 877-47-4724

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## 2. HAZARDS IDENTIFICATION

### GHS Classification

#### Physicochemical Hazards

Explosives	:	Out of classification
Flammable gases	:	Out of classification
Flammable aerosol	:	Out of classification
Oxidizing gases	:	Out of classification
Gases under pressure	:	Out of classification
Flammable liquids	:	Out of classification
Flammable solids	:	Not classified
Self-reactive substance and mixtures	:	Out of classification
Pyrophoric liquids	:	Out of classification
Pyrophoric solids	:	Not classified
Self-heating substance and mixtures	:	Not classified
Substance and mixtures which, in contact with water, emits flammable gases	:	Not classified
Oxidizing liquids	:	Out of classification
Oxidizing solids	:	Not classified
Organic peroxides	:	Out of classification
Corrosive to metals	:	Not classified

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### Health hazards

Acute toxicity (oral)	:	Classification not possible
Acute toxicity (dermal)	:	Classification not possible
Acute toxicity (gases)	:	Out of classification
Acute toxicity (vapor)	:	Classification not possible
Acute toxicity (dust and mists)	:	Classification not possible
Skin corrosion / irritation	:	Classification not possible
Serious eye damage / eye irritation	:	Classification not possible
Respiratory or skin sensitization	:	Classification not possible
Germ cell mutagenicity	:	Classification not possible
Carcinogenicity	:	Classification not possible
Reproductive toxicity	:	Classification not possible
Specific target organ systemic toxicity (single exposure)	:	Classification not possible
Specific target organ systemic toxicity (repeated exposure)	:	Classification not possible
Aspiration hazard	:	Classification not possible

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### Environmental hazards

Hazardous to the aquatic environment (acute)	:	Classification not possible
Hazardous to the aquatic environment (chronic)	:	Classification not possible
Hazardous to the Ozone Layer	:	Not classified

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Labeling elements : Nothing

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### Other hazard

Inhalation	:	May cause symptoms of mucus irritation, cough
Skin contact	:	Prolonged contact may cause skin irritation
Eye contact	:	May irritate mucus membranes
Ingestion	:	No symptoms occur at low dose levels but there may be nausea, vomiting at high dose levels

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Wt%</u>	<u>CAS registry #</u>
Magnesium Carbonate	100	546-93-0 (Magnesium Carbonate)
		1309-42-8 (Magnesium Hydroxide)

<u>Synonym(s)</u>	Magnesium Carbonate-Magnesium Hydroxide
<u>EC No.</u>	2089159 (Magnesium Carbonate)
	2151703 (Magnesium Hydroxide)
<u>TSCA</u>	Registered

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### 4. FIRST AID MEASURES

Inhalation	:	Remove the exposed individual into fresh air and make him blow his nose and gargle.
Eye contact	:	Flash with clean water.
Skin contact	:	Wash with water.
Ingestion	:	Rinse mouth. In case of large amount, drink large quantity of water and induce vomiting. Refer for medical attention.
Note to physician	:	Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

Extinguishing media	:	This product is non- flammable.
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### 6. ACCIDENTAL RELEASE MEASURES

Vacuuming or wet sweeping may be used to avoid dust dispersal.

Land spill	:	Sweep together and dispose according to the laws of your country.
Water spill	:	Collect together and dispose according to the laws of your country.

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### 7. HANDLING AND STORAGE

Handling	:	It is better to wear proper protective equipment not to contact with skin or inhale the dust.
Storage	:	This material should be stored in a dry place and the bag must be tightly closed after use because of its hygroscopicity. This material must not close the odorous substances and volatile substances, because of its sorbability.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	:	Prevent dispersion of dust.
Personal protective equipment		
Eye / Face Protection	:	Safety Glasses
Skin Protection	:	Working clothes and rubber gloves (Nothing of particular protection)
Respiratory Protection	:	Dust mask
Exposure Guidelines	:	Not established

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	White powder
Odour	:	No information
Odour threshold	:	No information
pH	:	No information
Melting point	:	No information
Initial boiling point	:	3600°C(MgO)
Flash point	:	No information
Evaporation rate	:	No information
Flammability	:	No information
Upper/lower flammability or explosive limits	:	No information
Vapour pressure	:	No information
Vapour density	:	No information
Relative density	:	2.2
Solubility	:	Insoluble in water. Soluble in mineral acid.
Partition coefficient: n-octanol/water	:	No information
Auto-ignition temperature	:	No information
Decomposition temperature	:	250°C
Viscosity	:	No information

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### 10. STABILITY AND REACTIVITY

Chemical stability	:	Stable under normal conditions
Conditions to avoid	:	Wet or high temperature Strong acid
Hazardous decomposition products	:	Nothing
Hazardous reactions	:	Will not occur

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity	:	Not available
Skin corrosion/irritation	:	Prolonged contact may cause skin irritation
Eye irritation	:	If contacted with eyes, eyes are irritated
Respiratory or skin sensitization	:	Not available
STOST-single exposure	:	Not available
STOST-repeated exposure	:	Not available
Aspiration hazard	:	May cause symptoms of mucus irritation, cough

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### 12. ECOLOGICAL INFORMATION

Toxicity	:	Not available
Persistence and degradability	:	Not available
Bioaccumulative potential	:	Not available
Mobility in soil	:	Not available
Other adverse effects	:	Not available

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### 13. DISPOSAL CONSIDERATIONS

Disposal	:	In accordance with the laws of your country.
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### 14. TRANSPORT INFORMATION

NA : Not applicable  
UN No. : Not applicable  
ADR/RID : Not applicable  
IMO-IMDG code : Not applicable  
Hazard Label(s) : Unnecessary

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### 15. REGULATORY INFORMATION

This material is classified as follows and labeled accordingly.

Symbol(s) : Nothing  
R Phrase (s) : Nothing  
S Phrase (s) : Nothing

Please refer to any other national measures that may be relevant.

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### 16. OTHER INFORMATION

No specific notes.

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