

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

# MAGCELER™ 1

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

Product Name : MAGCELER™ 1

### 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

Relevant identified use of the product : Industrial use

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## 2. HAZARDS IDENTIFICATION

### GHS Classification

#### Physicochemical Hazards

Explosives	: Classification not possible
Flammable gases	: Not classified
Aerosol	: Not classified
Oxidizing gases	: Not classified
Gases under pressure	: Not classified
Flammable liquids	: Not classified
Flammable solids	: Not classified
Self-reactive substance and mixtures	: Classification not possible
Pyrophoric liquids	: Not classified
Pyrophoric solids	: Classification not possible
Self-heating substance and mixtures	: Classification not possible
Substance and mixtures which, in contact with water, emits flammable gases	: Classification not possible
Oxidizing liquids	: Not classified
Oxidizing solids	: Not classified
Organic peroxides	: Classification not possible
Corrosive to metals	: Classification not possible
Desensitized explosives	: Not classified

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## Health hazards

Acute toxicity (oral)	:	Classification not possible
Acute toxicity (dermal)	:	Classification not possible
Acute toxicity (gases)	:	Classification not possible
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 toxicity (single exposure)	:	Classification not possible
Specific target organ 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	:	Classification not possible

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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 Aluminum Hydroxide Carbonate Hydrate	≥ 95	11097-59-9
Stearic acid	≤ 5	57-11-4

Synonym(s) Hydrotalcite

EC No. 943-434-4

TSCA Registered

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### 4. FIRST AID MEASURES

Inhalation	:	Removal of exposed individual from area to fresh air. Powder is discharged with phlegm or mucus.
Eye contact	:	Flash with clean water.
Skin contact	:	Wash with water or soapy water.
Ingestion	:	In case of large amount, drink large quantity of water and induce vomiting.
Note to physician	:	Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

Flammable properties : 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 use glasses and gloves made of rubber.  
Storage : This material should be stored in a dry place and the bag must be closed after use because of its hygroscopicity.  
Keep away from odorous substances or volatiles.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : No specific controls are needed.

Personal protective equipment

Eye / Face Protection : Glasses  
Skin Protection : Working clothes (Nothing of particular protection)  
Respiratory Protection : 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 : No information  
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 : 2.1  
Solubility : Insoluble in water. Soluble in mineral acid.  
Partition coefficient: n-octanol/water : No information  
Auto-ignition temperature : No information  
Decomposition temperature : No information

*'MAGCELER' is a registered trademark of SETOLAS Holdings, Inc. in many countries.*

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Viscosity : No information

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## 10. STABILITY AND REACTIVITY

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

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## 11. TOXICOLOGICAL INFORMATION

Acute oral effects : LD<sub>50</sub>= over 10,000 mg/kg by oral and hypodermic injection (mice) †  
over 8,200 mg/kg by intraperitoneal injection (mice)  
Mutagenicity : Not available

( † Hydrotalcite; DEPARTMENT OF PHAMACOLOGY TOKYO MEDICAL COLLEGE 25,695(1967))

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

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available) : Not available  
Persistence and degradability : Not available  
Bioaccumulative potentiall : 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 identified
UN No.	:	Not identified
ADR/RID	:	Not identified
IMO-IMDG code	:	Not identified
Hazard Label(s)	:	Unnecessary

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## 15. REGULATORY INFORMATION

No specific notes. Follow international regulations.

REACH: EC 943-434-4 is included as “related substances” to CAS No. 11097-59-9 in the REACH registration.

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## 16. OTHER INFORMATION

No specific notes.

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