

Kyowa Chemical Industry Co., Ltd.
SAFETY DATA SHEETS

MAGCELER™ 1

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : MAGCELER™ 1

Manufacturer

Company Name : Kyowa Chemical Industry Co., Ltd.
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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) | : | Not classified |
| 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 |

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 |

Labeling elements : Nothing

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

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. |

5. FIRE FIGHTING MEASURES

Flammable properties : Non-flammable

6. ACCIDENTAL RELEASE MEASURES

Vacuuuming 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.

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

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
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 |

11. TOXICOLOGICAL INFORMATION

| | | |
|--------------------|---|--|
| Acute oral effects | : | LD ₅₀ = 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 PHARMACOLOGY TOKYO MEDICAL COLLEGE 25,695(1967))

| | | |
|--------------|---|--|
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12. ECOLOGICAL INFORMATION

| | | |
|--|---|---------------|
| Ecotoxicity (aquatic and terrestrial, where available) | : | Not available |
| Persistence and degradability | : | Not available |
| Bioaccumulative potential | : | Not available |
| Mobility in soil | : | Not available |
| Other adverse effects | : | Not available |

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

15. REGULATORY INFORMATION

This material is classified as follows and labeled accordingly.

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

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

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

16. OTHER INFORMATION

No specific notes.

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