

Kyowa Chemical Industry Co., Ltd.
SAFETY DATA SHEETS

PYROKISUMA™ (Grade: 5301)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : PYROKISUMA™ (Grade: 5301)

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

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

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
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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

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Wt%</u>	<u>CAS registry #</u>
Magnesium oxide	100	1309-48-4
<u>Synonym(s)</u>	Magnesium Oxide; Magnesia	
<u>EC No.</u>	2151719	
<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	: First rinse with plenty of water for several minutes (Remove contact lenses if easily possible), then take a doctor.
Skin contact	: Remove contaminated clothes, rinse skin with plenty of water or shower.
Ingestion	: Rinse mouth. Refer for medical attention.
Note to physician	: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media	: This product is non-flammable. All extinguishing agents allowed.
Protection for firefighters	: Firefighters should wear protective equipment.
Particular firefighting	: No contact with halogens or strong acids.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear proper equipment and avoid contact with skin and inhalation of dust.
Environmental precautions	: Do not discharge soil, subsoil, drain, surface water and groundwater.
Removal	: Vacuum or sweep up in a waste container. Wash away residue with plenty of water.

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 closed after use because of its hygroscopicity. This material must be stored to avoid contact with strong acids and halogens.

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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 (Extra personal protection: P1 filter respirator for inert particles)
Exposure Guidelines	: OSHA PEL TWA (fume) : 15 mg/m ³ TWA (total particulate) : 10 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: White powder
Odour	: No information
Odour threshold	: No information
pH	: No information
Melting point	: 2800°C
Initial boiling point	: 3600°C
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	: 3.7
Solubility	: Slightly soluble 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
Reactivity	: Reacts violently with strong acids and halogens.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	: If swallowed a large dose, may cause diarrhea If inhaled the dust, nose, throat or trachea are irritated. Human inhalation TCLo=400mg/m ³
Skin corrosion/irritation	: Not available
Eye irritation	: If contacted with eyes, eyes are irritated
Respiratory or skin sensitization	: Not available
Mutagenicity	: Not available
Carcinogenicity	: ACGIH classifies the group A4 (Not classifiable as a human carcinogen)
Aspiration hazard	: Not available

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

13. DISPOSAL CONSIDERATIONS

Disposal methods	: 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

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

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

16. OTHER INFORMATION

No specific notes.

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