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

### **PYROKISUMA<sup>TM</sup> (Grade: 3320)**

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

Product Name : PYROKISUMA<sup>TM</sup> (Grade: 3320)

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

Classification not possible Acute toxicity (vapor) 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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

 Chemical name
 Wt%
 CAS registry #

 Magnesium oxide
 100
 1309-48-4

Synonym(s) Magnesium Oxide; Magnesia

EC No. 2151719 TSCA 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<sup>3</sup>

TWA (total particulate) : 10 mg/m<sup>3</sup>

### 9. PHYSICALAND CHEMICAL PROPERTIES

Appearance : White powder
Odour : No information
Odour threshold : No information
pH : 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 : 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<sup>3</sup>

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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