

Kyowa Chemical Industry Co., Ltd.
SAFETY DATA SHEETS

KYOWAAD™ 600 (Grade: S)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : KYOWAAD™ 600 (Grade: S)

Manufacturer

Company Name : Kyowa Chemical Industry Co., Ltd.
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Emergency telephone number

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)	:	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

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 silicate	100	1343-88-0
<u>Synonym(s)</u>	Silicic acid magnesium salt	
<u>EC No.</u>	2156811	
<u>TSCA</u>	Registered	

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. In case of large amount, drink large quantity of water and induce vomiting. Refer for medical attention.
Note to physician	: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable properties	: Non-flammable
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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.

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SAFETY DATA SHEETS

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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 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 : 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 : Recommendation of Occupational Exposure Limits (OELs) (2008)
Respirable dust - 2 mg/m³, Total - 8 mg/m³
The Japan Society for Occupational Health (JSOH)
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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 : 2.0
 - Solubility : Insoluble in water.
Partially 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 : May react with oxidizing substances.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : No acute toxicity recognized.
Skin corrosion/irritation : Not available
Eye irritation : If contacted with eyes, eyes are irritated
Respiratory or skin sensitization : Not available
Mutagenicity : Not available
Carcinogenicity : Not available
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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SAFETY DATA SHEETS

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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

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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