

Kyowa Chemical Industry Co., Ltd.
SAFETY DATA SHEETS

MAGSARAT™ 150ST (Grade:F)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : MAGSARAT™ 150ST (Grade:F)
Manufacturer
Company Name : Kyowa Chemical Industry Co., Ltd.
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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

2. HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards

Explosives	: Out of classification
Flammable gases	: Out of classification
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
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)	: 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 toxicity (single exposure)	: Classification not possible
Specific target organ 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

<u>Chemical name</u>	<u>Wt%</u>	<u>CAS registry #</u>
Magnesium oxide	≥ 90	1309-48-4
Coating agent (trade secret)	≤ 10	

<u>Synonym(s)</u>	Magnesium oxide; Magnesia
<u>EC No.</u>	2151719

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TSCA

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. 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

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13. DISPOSAL CONSIDERATIONS

Disposal methods : In accordance with the laws of your country.

14. TRANSPORT INFORMATION

NA	:	Not applicable
UN No.	:	Not applicable
ADR/RID	:	Not applicable
IMO-IMDG code	:	Not applicable
Hazard Label(s)	:	Unnecessary
IATA	:	Not required for transportation

15. REGULATORY INFORMATION

No specific notes. Follow international regulations.

16. OTHER INFORMATION

No specific notes.

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