

Kyowa Chemical Industry Co., Ltd.
SAFETY DATA SHEETS

ALCAMIZER 1

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : ALCAMIZER 1

Manufacturer

Company Name : Kyowa Chemical Industry Co., Ltd.
Address : 4035 Hayashida-cho, Sakaide, Kagawa, 762-0012, Japan
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Emergency telephone number

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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

Vacuuming 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))

Inhalation	: May cause symptoms of mucus irritation, cough
Eye contact	: May irritate mucus membranes
Skin contact	: Prolonged contact may cause skin irritation
Ingestion	: No symptoms occur at low dose levels but there may be nausea, vomiting at high dose levels

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

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13. DISPOSAL CONSIDERATIONS

Disposal : In accordance with the laws of your country.

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

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

16. OTHER INFORMATION

No specific notes.

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