

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

# ALCAMIZER™ 1

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## 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  
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

Relevant identified use of the product : Industrial use

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## 2. HAZARDS IDENTIFICATION

### GHS Classification

#### Physicochemical Hazards

Explosives	:	Classification not possible
Flammable gases	:	Not classified
Aerosol	:	Not classified
Oxidizing gases	:	Not classified
Gases under pressure	:	Not classified
Flammable liquids	:	Not classified
Flammable solids	:	Not classified
Self-reactive substance and mixtures	:	Classification not possible
Pyrophoric liquids	:	Not classified
Pyrophoric solids	:	Classification not possible
Self-heating substance and mixtures	:	Classification not possible
Substance and mixtures which, in contact with water, emits flammable gases	:	Classification not possible
Oxidizing liquids	:	Not classified
Oxidizing solids	:	Not classified
Organic peroxides	:	Classification not possible
Corrosive to metals	:	Classification not possible
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)	:	Classification not possible
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

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**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	:	Classification not possible

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**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

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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

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### 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.

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### 5. FIRE FIGHTING MEASURES

Flammable properties : Non-flammable

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### 6. ACCIDENTAL RELEASE MEASURES

Vacuuuming 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.

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## 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

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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 : 2.1  
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

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## 11. TOXICOLOGICAL INFORMATION

Acute oral effects	:	LD <sub>50</sub> = 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

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## 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.
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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

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**15. REGULATORY INFORMATION**

No specific notes. Follow international regulations.

REACH : EC 943-434-4 is included as “related substances” to CAS No. 11097-59-9 in the REACH registration.

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**16. OTHER INFORMATION**

No specific notes.

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