

Kyowa Chemical Industry Co., Ltd.
SAFETY DATA SHEETS

DHT™-4C

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

Product Name : DHT™-4C

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.)
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Relevant identified use of the product : Industrial use

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

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

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	100	11097-59-9
<u>Synonym(s)</u>	Hydrotalcite	
<u>EC No.</u>	943-434-4	
<u>TSCA</u>	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
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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

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

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.

16. OTHER INFORMATION

No specific notes.

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