

# MATERIAL SAFETY DATA SHEET

## ( MSDS )

Approval Date 15/Dec/2000

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### 1. Identification

Product identifier	<b>Magnesium Acetate 4-Hydrate</b>
Company name	KANSAI CATALYST Co.,LTD
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Document number	Q2L01-KMg01

### 2. Hazard Identification

GHS classification	Not available
Hazardous nature	No information found
Hazardous property	IF INHALED may cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath. IF SWALLOWED large oral doses may cause irritation to the gastrointestinal tract. IF ON SKIN no adverse effects expected but may cause minor skin irritation. IF IN EYES may cause irritation, redness and pain.

### 3. Composition/Information on ingredients

Substance& Mixture	Substance
Chemical Name	Magnesium Acetate 4-Hydrate
Molecular Formula	$(\text{CH}_3\text{COO})_2\text{Mg} \cdot 4\text{H}_2\text{O}$
CAS No.	16674-78-5
Content	> 98% (11% as Mg)
TSCA	Magnesium Acetate
EINECS No.	205-554-9

### 4. First-aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash with plenty of soap and water. If skin irritation or rash occurs : Get medical advice/ attention. Wash contaminated clothing before reuse.
eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice / attention.
Ingestion	If swallowed, call a Poison Control Centre or doctor immediately. DO NOT induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. If swallowed, rinse mouth with water (only if the person is conscious).

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**5. Fire-fighting measures**


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Suitable extinguishing media	Use dry chemical, CO <sub>2</sub> , water spray, or foam extinguishers.
Extinguishing media which must not be used for safety reasons	No information found
Special exposure hazards	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Hazardous combustion products	Move containers from fire area if it can be done without risk. Use water to keep fire exposed containers cool.
Special protective equipment for fire-fighters	In case of fire and/or explosion do not breathe fumes. Firefighters should wear full protective clothing including self contained breathing apparatus.

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**6. Accidental release measures**


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Personal precautions	Use personal protection recommended in Section 8. Isolate area. Keep unnecessary personnel away.
Environmental precautions	Avoid release to the environment.
Methods for containment, Methods for clean-up	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the protective equipment. Avoid generating dusty conditions. Provide ventilation.

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**7. Handling and storage**


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Handling	See section 8. Use with adequate ventilation. Minimize dust generation and accumulation. Keep container tightly closed. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
Storage	Keep in a tightly closed container, stored in a cool, dry, well-ventilated area away from incompatible substances.

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**8. Exposure Controls / Personal Protection**


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Equipment	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	ACGIH TLV-TWA (1998)      10 mg/m <sup>3</sup> (as MgO, Fumes)
Hygiene	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Personal protective equipment	Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Hand protection : Wear suitable gloves. Eye protection : Wear safety goggles.

Skin protection : Wear suitable protective clothing.

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## 9. Physical and chemical properties

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Appearance	Clear - White crystalline powder
Odor	Acetic acid odor
pH	No information found
Melting Point	80 °C
Boiling Point	No information found
Flash Point	79 °C
Auto-ignition temperature	No information found
Combustibility	No information found
Explosive limits	No information found
Vapor pressure	No information found
Vapor Density	No information found
Specific Gravity	1.454 g/cm <sup>3</sup>
Water Solubility	Soluble in water
Partition coefficient n-octanol / Water	No information found
Decomposition temperature	No information found

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## 10. Stability and Reactivity

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Stability	Deliquescent material
Hazardous reactions	No information found
Conditions to avoid	Sunlight, heat and moisture.
Incompatible Materials	Strong oxidizers.
Hazardous decomposition products	Magnesium oxide, carbon monoxide

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## 11. Toxicological information

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Acute Toxicity	No information found.
Skin corrosion / irritation	Causes irritation.
Eye damage / irritation	Causes eye irritation, redness and pain.
Sensitization-Respiratory	No information found.
Sensitization-skin	No information found.
Germ cell mutagenicity	No information found.
Carcinogenicity	No information found.
Toxic to reproduction	No information found.
Specific target organ toxicity (following single exposure)	Cause damage to organs respiratory.
Specific target organ toxicity (repeated)	Cause damage to respiratory, nervous system, cardiovascular systemm, organ through prolonged or repeated exposure.

exposure)

Aspiration hazard                      No information found

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## 12. Ecological information

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Ecotoxicity                                No information found

Persistence and  
degradability                              No information found

Bioaccumulative  
potential                                    No information found

Mobility in soil                            No information found

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## 13. Disposal Considerations

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Disposal methods                        Whatever can't be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

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## 14. Transport information

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UN number                                Not available

UN proper shipping name               Not available

IMDG                                        Not available

ICAO / IATA                                Not available

Transport methods                        Protect against physical damage. See section 7.

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## 15. Regulatory information

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Regulations                                Local regulations may differ from federal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 16. Other information

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Disclaimer                                 We provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy.  
This document is intended only as guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.