

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name : MAGNESIUM CHLORIDE CAS#: 7791-18-6 C.I. No.: Not available. Synonym : Not available. Chemical Name: Not available. Chemical Formula: Not available.

Composition and Information on Ingredients

Name	S.K.U	% by Weight
MAGNESIUM CHLORIDE	GCS-8726	100

Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45 Classification : Xi; R36/37/38 Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP) Health hazards : Specific Target Organ Toxicity - Single exposure -Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3) H335 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319 Skin irritation - Category 2 -Warning (CLP : Skin Corr. 2) H315

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

First Aid Measures

Description of first aid measures

Inhalation Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing. Skin contact If skin irritation occurs : Get medical advice. Specific treatment (see on this label). Wash contaminated clothing before reuse. Wash with plenty of soap and water.



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. Ingestion : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed Symptoms relating to use : Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Fire and Explosion Data

Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders : Equip cleanup crew with proper protection. Ventilate area. For non-emergency personnel : Evacuate unnecessary personnel.

Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections

See section 8. Exposure controls/personal protection



Handling and	Storage
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Precautions for safe handling Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.		
Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.		
Conditions for safe storage, including any incompatibilities Storage : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Specific end uses Specific end use(s) : None.		
Exposure Controls/Personal Pro	otection	
Personal protection	: Avoid all unnecessary exposure.	
 <u>Respiratory protection</u> 	: Wear approved mask.	
<u>Hand protection</u>	: Wear protective gloves.	
<u>Eye protection</u>	: Chemical goggles or safety glasses.	
• Others	: When using, do not eat, drink or smoke.	
Control parameters Occupational Exposure Limits : No data available Physical and Chemical Properties		
Information on basic physical and chemical properties Physical state at 20		
°C	: Solid	
Colour	: White Powder	
Colour Odour Odour threshold		
Odour Odour threshold	: White Powder : Odorless : No data available.	
Odour Odour threshold pH value	: White Powder : Odorless : No data available. : Not applicable.	
Odour Odour threshold pH value Melting point [°C]	: White Powder : Odorless : No data available.	
Odour Odour threshold pH value Melting point [°C] Decomposition point [°C] Critical temperature [°C] Auto-ignition temperature	: White Powder : Odorless : No data available. : Not applicable. : 118°C	
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Odour Odour threshold pH value Melting point [°C] Decomposition point [°C] Critical temperature [°C] Auto-ignition temperature [°C] : N/A	: White Powder : Odorless : No data available. : Not applicable. : 118°C : N/A : N/A	
Odour Odour threshold pH value Melting point [°C] Decomposition point [°C] Critical temperature [°C] Auto-ignition temperature [°C] : N/A Flammability (solid, gas)	: White Powder : Odorless : No data available. : Not applicable. : 118°C : N/A : N/A : N/A	



Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm3]	: 1,59
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Soluble in water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	7
Viscosity at 40°C [mm2/s]	: N/A
Other information	
Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower	. 19/73
[%]	: N/A
Oxidising properties	: No data available.

Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.



Toxicological Information Information on toxicological effects Acute toxicity • Inhalation : Based on available data, the classification criteria are not met. • Dermal : Based on available data, the classification criteria are not met. • Ingestion : Based on available data, the classification criteria are not met. Corrosion : Causes serious eye damage. Infittation : Based on available data, the classification criteria are not met. Sensitization : Based on available data, the classification criteria are not met. Sensitization : Based on available data, the classification criteria are not met. Sensitization criteria are not met. Cricinogenicity: : Based on available data, the classification criteria are not met. Toxic for reproduction Audagenicity : Based on available data, the classification criteria are not met. STOT-repeated exposure : Based on available data, the classification criteria are not met. Aspiration hazard : Based on available data, the classification criteria are not met. Aspiration hazard : Based on available data, the classification criteria are not met. Ecological Information : Not established. Persistence - degradability : Biodegradability : Bioaccumulative potential Bioaccumulative potential Bioaccumulative potential : Not established. Mobility in soil Mobility in soil : Not established. <th></th> <th></th>				
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Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions : Avoid release to the environment.

Disposal Considerations

Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Transformation Information

Land transport (ADR-RID) General information: Not regulated.

Sea transport (IMDG) [English only] General information: Not regulated.

Air transport (ICAO-IATA) [English only] General information: Not regulated.

Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed. regulations/legi slation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to

restrictions. REACH Authorisation - Annex XIV : The components of this product are not

subject to authorization. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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