Conforms to 93/112/EC and ISO 11014-1 - United Kingdom (UK)

SAFETY DATA SHEET

MAGNESIUM CHLORIDE HEXAHYDRATE MVVV629

1. Identification of the substance/preparation and of the company/undertaking

Product name : **MAGNESIUM CHLORIDE HEXAHYDRATE**

Supplier : Albion Chemical Distribution
Albion House
Rawdon Park
Green Lane
Yeadon
Leeds
LS19 7XX

EMERGENCY ONLY TELEPHONE NUMBER : (N.C.E.C. CULHAM) 01865 407333

Telephone No. : (0113) 3879200

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2. Composition/information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) MAGNESIUM CHLORIDE HEXAHYDRATE	7791-18-6	99	232-094-6	-	-

*** Occupational Exposure Limit(s), if available, are listed in Section 8**

CAS No. 7791-18-6

EINECS Number 232-094-6

3. Hazards identification

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.

Eye Contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.

5. Fire-fighting measures

Extinguishing Media

Suitable : SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous thermal (de)composition products : Overheating may liberate toxic chlorine gas.

Special fire-fighting procedures : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal Precautions : Splash goggles. Protective overalls/suit. Boots. Gloves. Select appropriate protective clothing for the size of the spillage.

Environmental precautions and cleanup methods : Use a non-sparking shovel to put the material into a suitable waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

Handling : Keep away from heat. Keep away from sources of ignition. Empty containers may still contain significant residual amounts of the product. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended use : Use original container.

8. Exposure controls/personal protection

Engineering measures : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Workplace Exposure Limits : Not available.

Personal protective equipment

Skin and body : Overalls or Lab coat.

Hands : Butyl rubber gloves. PVC gloves.

Eyes : Splash goggles.

9. Physical and chemical properties

Physical state : Solid. (Flakes solid.)

Colour : White to yellowish.

Odour : Odourless.

Melting point : >100°C (212°F)

Density : 0.8 to 0.9 g/cm^3 at 20°C (68°F)

Solubility : Soluble in water (2430 g/l)

pH : 8.4 [Basic.] (270g/l at 20oC)

Flash point : Not available.

10. Stability and reactivity

Stability : The product is stable.

Conditions to Avoid : Avoid overheating.

Hazardous decomposition products : Overheating may liberate toxic chlorine gas.

11. Toxicological information

Local effects

Eye irritation : May cause irritation.

Acute toxicity : Acute oral toxicity (LD50): 8100 mg/kg [Rat].

Ingestion: May casuse diarrhea and vomiting.
Inhalation: May cause irritation of the respiratory tract.

12. Ecological information

Mobility : Soluble in water.

Ecotoxicity : Not available.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification : Not applicable.

14. Transport information

International transport regulations

UN :	**UN number**	Not regulated.
UN :	**Proper shipping name**	-
ADR/RID :	**Class**	-
IMDG :	**Proper shipping name**	-
IATA :	**Proper shipping name**	-
IATA :	**Additional Information**	-

15. Regulatory information

EU Regulations

Risk Phrases : This product is not classified according to the EU regulations.

Product Use : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- Consumer applications.

16. Other information

HISTORY *(Please note thet dates are in American format [month/day/year])*

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Date of issue : **02/11/2006.**

Date of previous issue : **No Previous Validation.**

Version : **1**

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