



SAFETY DATA SHEET

Labelling according to EEC Directives

No specific marking required according to EC-Regulations 67/548

SECTION 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Magnesium Chloride Flake

Other means of identification: Magnesium Chloride Hexahydrate Flakes

Relevant identified uses of the substance of mixture and uses advised against

Product uses: Product intended for cosmetic and craft use.

1.2 Details of the supplier of the safety data sheet

Company name: Fizzywhiz

Company address: Unit 23, Maritime Enterprise Park Atlas Rd Liverpool Bootle L20 4DY

Contact: 0151 922 0041

E-Mail address: info@fizzywhiz.com

Company phone: 0151 922 0041

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Not classified as hazardous according to UK CLP Regulation.

2.2 Label Elements: No hazard pictograms, signal words, or hazard statements required.

Precautionary Statements:

- P261: Avoid breathing dust.
- P280: Wear protective gloves and eye protection if handling bulk material.
- P501: Dispose of contents/container in accordance with local waste regulations.

2.3 Other Hazards:

- May cause mechanical eye irritation.
- Inhalation of dust should be avoided.
- Fine particles may pose an inhalation risk in bulk use.



SECTION 3: Composition/information on ingredients

CAS Numbers: 7791-18-6

- Magnesium Chloride (MgCl₂) (46.5 – 47.5%)
- Calcium Chloride (CaCl₂) (2.0 – 2.2%)
- Sodium Chloride (NaCl) (0.5 – 0.8%)
- Potassium Chloride (KCl) (0.2 – 0.5%)
- Water (H₂O) (Balance to 100%)

Calcium chloride is quite similar in its properties to magnesium chloride and at this concentration level may be considered as such for all articles in this SDS

SECTION 4: First aid measures

4.1 Description of first aid measures:

- **Skin contact:** Wash with soap and water. Seek medical advice if irritation develops. Remove contaminated clothing.
- **Eye contact:** Rinse immediately with clean water for several minutes. Seek medical attention if irritation continues.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if unwell.

SECTION 5: Firefighting measures

- **Suitable extinguishing media:** Inapplicable because not combustible
- **Special protective equipment:** Not required

SECTION 6: Accidental release measures

- **Personal precautions:** No special measures required
- **Environmental precautions:** Avoid contamination of water sources
- **Methods of cleaning up:** Pick up mechanically and dispose according to point 13. Minor residue to be washed away with excessive water flow. Disposal of waste water according to regulations. If spilling occurs on public highways, wash thoroughly with water and absorbent should be applied (i.e. sand) to prevent skidding on a slippery surface.

SECTION 7: Handling and storage

- **Handling:** Prevent contact with water or humid atmosphere
- **Protection against fire and Explosion:** No special demands because not combustible
- **Storage:** Keep tray in storage, avoid moisture



SECTION 8: Exposure controls/personal protection

Personal Protective Equipment (PPE):

- **Respiratory:** Dust mask (FFP2 or equivalent) if airborne dust is present.
- **Eyes:** Safety goggles if risk of dust contact.
- **Hands:** Gloves recommended for extended handling.

SECTION 9: Physical and chemical properties

- **Form:** Flakes
- **Colour:** White
- **Odour:** None
- **Change in physical state:** Hygroscopic
- **Flash point:** Not applicable because not combustible
- **Explosion hazard:** Not applicable
- **Density (20°C):** 1.6 gr/cm³
- **Bulk density:** 800 – 900kg/m³
- **Solubility in water (20°C):** 167g/100 ml water
- **pH value:** 8.2/ at 10% in aqueous solution

SECTION 10: Stability and reactivity

- **Hazardous decomposition products:** Above 160°C decomposes giving HCL gases
- **Hazardous reactions:** None

SECTION 11: Toxicological information

- **Acute toxicity:** LD50/oral/rat – 8100mg/kg
- **Primary irritation (skin/eyes):** No data available
- **Sensitizing:** No sensitizing on human beings
- **Experiences in humans:** None
- **Additional information:** If handled according to regulations no danger to human beings.

SECTION 12: Ecological information

- **Behaviour and environmental:** If properly introduced in small concentrations into adapted biological sewage treatment plants, decomposition of the activated sludge is not affected.
- **Ecotoxic effects:** Not available. Not mentioned in the EC regulations of 4/5/76 concerning discharge of dangerous materials into the water, neither List I or List II. MgCl₂ is a component of sea water



SECTION 13: Disposal considerations

- **Product:** Transfer to suitable waste deposit, thereby observing local laws and regulations (special waste or underground deposits).
- **Contaminated packaging:** Contaminated bags should be emptied thoroughly; after proper cleaning they can be recycled.

SECTION 14: Transport information

- Is not a hazardous material according to the transport regulations
- No special transport precautions needed.

SECTION 15: Regulatory information

- **Labelling according to EEC Directives:** No specific marking required according to EC-Regulations 67/548
- **National legislation/regulations:** Directive in case of accidents, regulations on dangerous materials and technical directives concerning air, not Mentioned in the catalogue of water jeopardizing products of June 12, 1987 in class WGK (0)

SECTION 16: Other information

This SDS has been prepared for business-to-business use. Always test finished products before market release. This document is offered as guidance and does not replace regulatory compliance responsibilities.

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