SAFETY DATA SHEET

MAGNESIUM CHLORIDE PELLETS

Product Code: B-MCPXXX
Effective Date: Nov 12, 2026
Version: 2.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**Magnesium Chloride Pellets**	**CAS Number**	7791-18-6 (Hexahydrate)
Synonyms	Magnesium Chloride Pellets, Mag Hexahydrate Pellets	**Product Code**	B-MCPXXX
Supplier Details	**Blendmagic Products, LLC** | PO Box 220, East Islip, NY 11730 | Tel: (888) 605-4332 | blendmagicproducts.com		
Recommended Use	Snow and ice melting, brine treatment, agricultural applications, and industrial dust control.		
Restrictions on Use	**Not Food Grade.** Not approved for food, animal feed, or ingestion.		
Emergency Numbers	**24/7 CHEMTREC (USA):** (800) 424-9300 | **International:** +1 (703) 527-3887		

2. HAZARDS IDENTIFICATION

Signal Word	**NOT CLASSIFIED**
GHS Classification	Not classified as a hazardous substance or mixture according to OSHA HazCom 2012 (29 CFR 1910.1200) and WHMIS 2015 criteria.
Potential Health Effects	• **Eye Contact:** Mechanical abrasion or dust may cause temporary redness. • **Skin Contact:** Direct contact may cause slight dryness or skin irritation. • **Inhalation:** Inhalation of airborne dust may cause coughing or respiratory discomfort.

GHS Labeling
No hazard symbols or pictograms required.

Precautionary Statements:

Prevention & Handling:

- Handle in accordance with good industrial hygiene practices.
- Wear chemical safety goggles and protective clothing during bulk handling.
- Wash hands thoroughly after handling.

Response & Storage:

- **IF IN EYES:** Flush with plenty of water. Get medical attention if irritation occurs and persists.
- Store in a dry, cool, well-ventilated location in tightly closed packaging.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component Name	CAS Number	Weight %	GHS-US Classification
Magnesium Chloride Hexahydrate	7791-18-6	Trade Secret*	Not classified

*The exact chemical concentration/percentage has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

4. FIRST AID MEASURES

- **Inhalation:** If inhaled, remove person to fresh air. Seek medical attention if breathing difficulty or discomfort occurs and persists.
- **Skin Contact:** Wash skin with water in case of irritation. Get medical attention if irritation occurs and persists.
- **Eye Contact:** Flush eyes with plenty of water for several minutes. Get medical attention if irritation occurs and persists.
- **Ingestion:** Wash out mouth with water provided person is conscious. Do NOT induce vomiting. Obtain medical attention if any discomfort persists. In cases of significant ingestion, blood salt levels must be evaluated.
- **Most Important Symptoms:** Temporary mechanical eye irritation, minor coughing, or localized skin dryness. Low oral toxicity.

5. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Material is non-combustible. Use extinguishing media appropriate for surrounding fire conditions.
- **Specific Fire Hazards:** When heated to decomposition, may release poisonous and corrosive fumes of Hydrogen Chloride (HCl) gas.
- **Protective Actions:** In enclosed stores, firefighters must wear self-contained breathing apparatus (SCBA) in positive-pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Wear protective clothing specified for normal operations (Section 8).
- **Environmental Precautions:** Prevent entry into sewers, ditches, streams, lakes, ponds, or watercourses.
- **Clean-Up Methods:** Sweep up spilled pellets, place in a container/bag for proper waste disposal or possible reuse. Flush spill area with water.

7. HANDLING AND STORAGE

Safe Handling Precautions:
Keep containers tightly closed. Handle in accordance with good industrial hygiene and safety procedures. Wash hands thoroughly after handling.

Storage Conditions:
Store in a dry, well-ventilated place away from incompatible materials (strong oxidizing agents). Keep packaging tightly sealed against moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	OSHA PEL	ACGIH TLV	Korea OEL
Magnesium Chloride Hexahydrate (7791-18-6)	Not determined	Not determined	Not determined

Engineering Controls: Good general ventilation should be provided. Ensure eyewash stations and safety showers are available in the work area.

Personal Protective Equipment (PPE):
- **Eye/Face:** Chemical safety goggles.
- **Skin:** Body covering clothes, protective gloves, and boots.
- **Respiratory:** Not normally required under standard conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White solid pellets	**Density**	1.6 g/cm³ @ 20°C
Odor	Odorless	**Bulk Density**	800 – 900 kg/m³
pH Value	8.2 (10% aqueous solution)	**Solubility in Water**	167 g / 100 g water
Melting Point	118°C (244°F)	**Vapor Pressure**	Not available
Decomposition Temp	> 160°C (> 320°F)	**Auto-Ignition Temp**	Not self-ignitable
Flash Point	Non-combustible	**Flammability**	Not flammable / Not explosive

10. STABILITY AND REACTIVITY

- **Reactivity:** None known under standard handling conditions.
- **Chemical Stability:** Stable under normal storage conditions. Hygroscopic material.
- **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- **Conditions to Avoid:** Exposure to atmospheric moisture. Heating above decomposition temperature (> 160°C).
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Oxides of potassium, calcium, magnesium, and toxic Hydrogen Chloride (HCl) fumes.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Endpoint Values:
• **Rat Oral LD50:** 8,100 mg/kg (for $MgCl_2$).
• **Skin Corrosion / Irritation:** Non-irritant.
• **Serious Eye Damage / Irritation:** Non-irritant.

Health Hazards & Specific Effects:
• **Sensitization / Mutagenicity:** Not established.
• **Carcinogenicity:** Not classified by IARC; not included in NTP 14th Report on Carcinogens.
• **Reproductive Toxicity:** No adverse effects observed on fertility or development.

12. ECOLOGICAL INFORMATION

Ecotoxicity: $MgCl_2$ is a natural seawater component. Aquatic toxicity data not available.
Persistence & Degradability: Not relevant for inorganic salts. Low bioaccumulation potential. High mobility in soil due to high water solubility. Not considered PBT or vPvB.

13. DISPOSAL CONSIDERATIONS

Observe all federal, state/provincial, and local environmental regulations. Containers can be recycled after proper cleaning. Dispose of in a safe manner in accordance with local regulations.

14. TRANSPORT INFORMATION

US DOT / TDG	Not Regulated for transport
IMDG / ICAO / IATA	Not Regulated for transport
UN Number / Class	None / None

15. REGULATORY INFORMATION

US & International Inventories: Reported in EPA TSCA Inventory (USA), Canadian DSL (Canada), EU EINECS (Anhydrous $MgCl_2$), Australia AICS, China Inventory, Japan ENCS, Korea KECI (KE-22691), Mexico INSQ, New Zealand NZIoC, Philippines PICCS, Taiwan TCSI, Vietnam, and Thailand.

16. OTHER INFORMATION

NFPA 704 Rating: Health: 0 | Flammability: 0 | Instability: 0
HMIS Rating: Health: 0 | Flammability: 0 | Physical Hazard: 0

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Prepared By: Blendmagic Products, LLC Technical Dept.