

# SAFETY DATA SHEET

## MAGNESIUM CHLORIDE, Hexahydrate

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**  
**Emergency Telephone No.: 1-905-466-3832**  
**Chemical Name: Magnesium Chloride, hexahydrate**  
**Catalog Number: MAG510, MAG520**

### SECTION 2 HAZARDS IDENTIFICATION

**GHS Classification:**  
Not hazardous according to GHS

**Potential Health Effects:**  
Eyes: may cause eye irritation  
Skin: may cause skin irritation  
Inhalation: may be harmful if inhaled  
Ingestion: may be harmful if ingested

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
<b>Magnesium Chloride Hexahydrate</b>	<b>7791-18-6</b>	<b>100</b>

**Molecular Formula:** MgCl<sub>2</sub>.6H<sub>2</sub>O  
**Molecular Weight:** 203.3

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with water .  
**Skin:** In case of contact, flush area immediately with water.  
**Inhalation:** Remove victim to fresh air.  
**Ingestion:** Wash mouth with water.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** No  
**Flash Point:** N/A  
**Autoignition Temperature:** N/A  
**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.  
**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

### SECTION 7 HANDLING AND STORAGE

**Handling:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.  
**Storage Conditions:** Room temperature.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed  
Use adequate ventilation..  
Wear appropriate protective equipment to prevent eye and skin exposure.  
Wear appropriate respirator to prevent lung irritation.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** solid crystals  
**Appearance and Odor:** white crystals, odorless  
**Melting Point:** 117° C  
**Specific Gravity:** 1.56  
**Vapor Density:** N/A  
**Water Solubility:** yes  
**pH:** 7.0

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility:** strong oxidizing agents.  
**Hazardous Decomposition Products:** carbon oxides and magnesium oxides  
**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**  
None available  
**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available

### SECTION 12 ECOLOGICAL INFORMATION

No information found.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

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## **MAGNESIUM CHLORIDE, Hexahydrate**

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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**Shipping Information:**

**DOT:** not regulated  
**IMDG:** not regulated  
**IATA:** not regulate

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**US :** TSCA: not listed  
**European/International:** N/A  
**Canada:** WHMIS: not controlled

<b>SECTION 16</b>	<b>ADDITIONAL INFORMATION</b>
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Prepared By: M.Kierdelewicz (President)  
Date Prepared: Jan 1/2025  
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Observe all federal, provincial and state laws concerning health, safety and pollution.