

SAFETY DATA SHEET

MAGNESIUM SULFATE, Heptahydrate

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 sulfate heptahydrate
Catalog Number: MAG511, MAG522, MAG521

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Not Hazardous according to GHS

Target Organs: Non known
Eyes: May cause irritation..
Skin: May cause irritation..
Inhalation: May cause irritation to respiratory tract.
Ingestion: May cause irritation to GI tract
CHRONIC HEALTH HAZARDS: none known.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Magnesium sulfate:	10034-99-8	100%
Heptahydrate		

Molecular Formula: MgSO₄.7H₂O
Molecular Weight: 246.46

SECTION 4 FIRST AID MEASURES

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

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No
Flash Point: Not available
Autoignition Temperature: Not available
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. AVOID DUST GENERATION.
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 transparent crystals
Appearance and Odor: white crystals, odorless
Melting Point: N/A
Decomposition temp: 1124° C
Specific Gravity: 1.678
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: oxides of magnesium, sulfur oxides.
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Exposure Limits:

LD50: oral, rat 8100 mg/kg
LD50: oral, mouse 7600 mg/kg

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.

SAFETY DATA SHEET

MAGNESIUM SULFATE, Heptahydrate

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

US Dot: Not regulated

Canada: Shipping Information: Not regulated

IATA: Not regulated

IMDG: Not regulated

SECTION 15 REGULATORY INFORMATION

US : TSCA: not listed

European/International: N/A

Canada: WHMIS: not controlled

GHS: not considered hazardous

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.