

MATERIAL SAFETY DATA SHEET

1M MAGNESIUM CHLORIDE, Sterile

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832
Chemical Name: 1M Magnesium Chloride, solution
Catalog Number: MAG516/MAG517
Molecular Formula: N/A
Molecular Weight: N/A
WHMIS Classification: D2B
TSCA Status: not listed on the TSCA Inventory

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Magnesium Chloride:	7791-18-6	9.5% w/v
Hexahydrate		
Water, balance		per L

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: no data
Eyes: May cause irritation.
Skin: May cause irritation.
Inhalation: May cause irritation to respiratory tract.
Ingestion: causes irritation to GI tract. May cause vomiting and diarrhea.
CHRONIC HEALTH HAZARDS: may cause kidney damage.

Exposure Limits:

Of Magnesium Chloride powder
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

IV FIRST AID MEASURES:

Eyes: Flush eyes with water .
Skin: In case of contact, flush area immediately with water.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and
Ingestion: Wash mouth with water. Do not induce vomiting.

V FIRE AND EXPLOSION HAZARDS:

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

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure
Conditions to avoid: heat.
Incompatibility : metals in the presence of moisture.
Hazardous Decomposition Products: hydrogen chloride, chlorine gas
Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: Liquid
Appearance and Odor: clear/colorless solution
Melting Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Water Solubility: yes
pH: N/A

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems. Use fume hood
Respiratory protection: use OSHA/MSHA approved respirator.
Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.
Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.
Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: Room temperature..
Label Hazard Warning: None. Avoid eye and skin contact. Avoid inhalation and ingestion.
Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)
Date Prepared: Sept 7/2011
Phone: (800) 234-1179

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