



MATERIAL SAFETY DATA SHEET

SECTION I: MATERIAL IDENTIFICATION

Trade Name: **Magnesium Chloride Hexahydrate – Flakes/Crystals**
Chemical Name: *Magnesium Chloride, Hexahydrate*
Manufactured For: *EnviroTech Services, Inc.*
Address: *910 54th Ave Suite #230
Greeley, Co 80634*
Telephone: *(970) 346-3900*
Fax: *(970) 346-3959*
Date Prepared: *August 13, 1998* Updated: *January 01, 2010*

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

None

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: *Decomposes*
Vapor Pressure: *NA*
Vapor Density: *NA*
Solubility in Water: *Cold 167 gm/100cc
Hot 367 gm/100cc*
Specific Gravity: *1.569 (H₂O=1)*
Melting Point: *Loses water of hydration
Decomposes at 116-118 °C*
Evaporation Rate: *NA*
Odor / Appearance: *Odorless, White or off-white colored crystals*

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: *None*
Flammable Limits: *STP in Air* LEL: *NA* UEL: *NA*
Extinguishing Media: *None, Non-Flammable*
Special Fire Fighting Procedures: *None*
Unusual Fire and Explosion Hazards: *None*
National Fire Protection Association (NFPA) Classification:
4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal
Health 1
Flammability 0
Reactivity 0
Hazardous Materials Information System (HMIS):
4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Minimal
Blue: (Acute Health) 1
Red: (Flammability) 0
Yellow: (Reactivity) 0

SECTION V: REACTIVITY DATA

Stability: *Stable*
Incompatibility: *Solution can be corrosive to some metals*
Hazardous Decomposition or Byproducts: *Hydrogen chloride when heated*
Hazardous Polymerization: *Will Not Occur*
Conditions to Avoid: *None*

SECTION VI: HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): *None*
Carcinogenicity: *N/A*
NTP: *N/A*
IARC Monographs: *N/A*
OSHA Regulated: *N/A*
Signs and Symptoms of Exposure:
Ingestion: Possible nausea and vomiting
Eyes: Slight irritation may cause transient cornea injury
Skin: May cause irritation.
Inhalation: Dust may be irritating but not likely to cause injury
Emergency and First Aid Procedures:
Ingestion: Low toxicity.
Eyes: Irrigate with large amounts of water
Skin: Wash with water
Inhalation: Remove to fresh air.

SECTION VII: PRECAUTION FOR SAFE HANDLING AND USE

Steps to be Taken in Case material is Released or Spilled: *No special precautions. Sweep up and Return to container or wash with large amounts of water.*
Waste Disposal Method: *Dispose in accordance with federal, state, or local regulations*
Precautions to be Taken in Handling and Storage: **KEEP OUT OF THE REACH OF CHILDREN**
Material is deliquescent, so caking may occur with moisture and long-time storage.
Avoid contact with eye, skin or clothing.
Wash thoroughly after handling.
Practice reasonable care and precautions
Other Precautions: *Not for food or drug use. Do not take internally.*

SECTION VIII: CONTROL MEASURES

Respiratory Protection: *Nuisance dust*
Ventilation: *Local exhaust: Ventilation for nuisance dust*
Mechanical (general):None
Special (Other): None
Protective Gloves: *None*
Eye Protection: *Safety glasses recommended*
Other Protective Equipment or Precautions: *None*

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