



MATERIAL SAFETY DATA SHEET: MAGNESIUM CHLORIDE PELLETS

Effective Date: July 2010

Identity: Magnesium Chloride Pellets

Physical/Chemical Characteristics:

Boiling Point: 160° C
 Vapor Pressure: Not Applicable
 Vapor Density: Not Applicable
 Melting Point: 118° C
 Specific Gravity: 1.6 at 25° C
 Solubility: Very hygroscopic; Soluble
 in alcohol.
 Appearance: Translucent off white,
 Pellets

Fire and Explosion Hazard Data:

Flash Point: Not Applicable
 Explosive Limits: Not Applicable
 Flammable Limits: Not Applicable
 Extinguishing Media: Not Applicable
 Spec. Fire Fighting Procedures: None
 Unusual Fire & Explosion Hazards: None
 Autoignition Temperature: Not Applicable

Reactivity Data:

Stability: Stable
 Conditions to Avoid: None
 Incompatibility: None
 Hazardous Decomposition
 Products: None
 Hazardous Polymerization: Will Not Occur

Health Hazard Data:

Threshold Limit Value: No specific TLV is established.
 Nuisance Particulates TLV: No specific TLV is established.
 Effects of Overexposure: Avoid contact with eyes.
 Emergency and First
 Aid Procedures: Eyes - immediately flush with water
 Skin - wash with soap and water

Precautions for Safe Handling and Use:

Steps to be taken in case material is released or spilled:

Shovel or sweep up and place in waste disposal container. Flush area with water. Major spills (i.e. derailments) may be loaded into trucks with front-end loader. Uncontaminated material may be recycled. If exposed to humid air, material will dissolve. The brine should be flushed with water to drainage.

Waste disposal method:

Discard must be made in accordance with local regulations.

Exposure Control/Personal Protection:

Respiratory: For dusty conditions, particulate filtering disposable mask is adequate.

Ventilation: None.

Gloves: Required.

Eye Protection: Safety glasses are required.

Storage and Handling Precautions:

When removing Dead Sea Magnesium Chloride from its packing, the product at first appears dry. Due to its hygroscopic nature, it readily takes on atmospheric moisture and softens rapidly. The bagged material should be kept closed in a dry atmosphere. When stored under suitable conditions, Dead Sea Magnesium Chloride will keep for an almost unlimited period.

Composition/Information on Components

Component:	% Comp.:
Magnesium Chloride (MgCl ₂):	46.5 – 47.5%
Calcium Chloride (CaCl ₂):	2.0 – 2.2%
Sodium Chloride (NaCl):	0.5 – 0.8%
Potassium Chloride (KCl):	0.2 – 0.5%
Water (H ₂ O):	Balance to 100%
Additives:	None

Toxicological Information: If handled according to instructions, no danger to humans.

Ecological Information: Not available.

Other Information:

For more information, contact:

Scotwood Industries

12980 Metcalf – Suite 240

Overland Park, KS 66213

(800) 844-2022

Date Prepared: 7 July 2008