



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%
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:

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