

DEAD SEA WORKS LTD

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

Product name **MAG Pellets**
Product id 8677-PL
Revision date 04/07/2011
Supersedes 08/09/2009
Revision: 3

1. Identification of the substance & the company

Trade name MAG Pellets
Chemical formula Not applicable
Type of product and use Ice and dust control
Supplier Dead Sea Work LTD
P.O.B. Beer Sheva 84100, Israel
Tel: +972-8-6465347
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2. Hazards identification

GHS classification Not classified
Labels and other form of warning Not classified

3. Composition / information on ingredients

Components	CAS No.	Weight %
Other Salts	Confidential	3-5
Magnesium Chloride Hexahydrate	7791-18-6	46.5-47.5
Water of crystallization	7732-18-5	48.5-50.5

4. First-aid measures

Eye contact Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.

Skin contact Wash with water in case of irritation. Get medical attention if irritation occurs and persists.

Inhalation In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

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Ingestion If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately.

NOTE: Never give an unconscious person anything to drink

Most important symptoms and effects, acute or delayed

Notes to the physician In case of ingestion, the salt level in blood must be determined. Treat symptomatically and supportively.

5. Fire - fighting measures

Suitable extinguishing media Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.

Unusual fire and explosion hazards When heated to decomposition, may release poisonous and corrosive fumes of HCl

Fire fighting procedure In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.

6. Accidental release measures

Personal precautions Wear protective clothing specified for normal operations (see section 8).

Methods for cleaning up Sweep up, place in a bag and hold for waste disposal or possible reuse

Environmental precautions Prevent product from entering waterways.

7. Handling and storage

Handling Keep containers tightly closed.

Storage Keep in a dry, well-ventilated place away from incompatible materials (see "materials to avoid").

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8. Exposure controls / personal protection

Exposure Limits :

Components	ACGIH-TLV Data	OSHA (PEL) Data
Other Salts	Not determined	Not determined
Magnesium Chloride Hexahydrate 7791-18-6	Not determined	Not determined
Water of crystallization 7732-18-5	Not determined	Not determined

Ventilation requirements

Good general ventilation. Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m³, respirable particles, and 10 mg/m³, inhalable particles (ACGIH recommendation for Particles (Insoluble or poorly soluble) Not Otherwise Specified (PNOS)).

Personal protective equipment:

- Respiratory protection In case of significant or accidental dust emissions, dust mask should be worn
- Hand protection Protective gloves
- Eye protection Chemical safety goggles
- Skin and body protection Body covering clothes and boots

Hygiene measures

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly after handling and before eating or smoking. Safety shower and eye bath should be provided.

9. Physical and chemical properties

Appearance White pellets
pH 8.2 @ 10% aqueous solution
Melting point/range 118°C (244°F)
Boiling point/range Not applicable
Flash point Non-combustible
Vapor pressure Not available
Density 1.6 g/cm³ (20°C)
Solubility:
- Solubility in water 167g/100g
Auto-ignition temperature Not applicable
Decomposition temperature >160°C
Bulk density 800-900 kg/m³

10. Stability and reactivity

Reactivity None known.

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Stability	Stable under normal conditions
Possibility of hazardous reactions	Not expected to occur
Conditions to avoid	Exposure to moisture. Heating above decomposition temperature.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	Oxides of: potassium, calcium, magnesium and HCl

11. Toxicological information

Acute toxicity:

- Rat oral LD50 8100 mg/kg (for MgCl₂)

- Mouse oral LD50 7600 mg/kg (for MgCl₂)

Chronic toxicity No data available

Mutagenicity Not available

Carcinogenicity Not classified by IARC
Not included in NTP 13th Report on Carcinogens

12. Ecological information

Note: MgCl₂ is a seawater component

Aquatic toxicity : No data available

Persistence and degradability Not relevant for inorganic salts

Bioaccumulative potential Not expected to bioaccumulate

Mobility in soil Not relevant for inorganic salts

13. Disposal considerations

Waste disposal Observe all federal, state and local environmental regulations when disposing of this material.

Disposal of Packaging Containers can be recycled after proper cleaning.

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14. Transportation information

DOT	Not regulated
IMDG	Not regulated
ICAO/IATA	Not regulated

15. Regulatory information

USA	Reported in the EPA TSCA Inventory.
Canada	Listed in DSL
EU	Anhydrous MgCl ₂ is reported EINECS
Japan	Listed in ENCS
Australia	Listed in AICS
New Zealand Inventory	Listed in NZIoC
China - China inventory	Listed
Philippines	Listed in PICCS

16. Other information

This data sheet contains changes from the previous version in section(s)
3, 15

Note:

All sections reformatted in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

The information herein is based on the present state of our knowledge. It is believed to be correct but is not necessarily all-inclusive and shall be used only as a guide. DEAD SEA WORKS Ltd, shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, contact DEAD SEA WORKS Ltd.

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End of safety data sheet