

**DEAD SEA WORKS LTD**

Potash House – P.O. Box 75 – Beer Sheva 84100, Israel  
Tel. (972-7) 646-5347 - Fax (972-7) 628-0533  
E-mail: chemarket@dsw.co.il



Marketing Division Chemical Products

# SAFETY DATA SHEET

January 2000

MAG FLAKES

ACCORDING TO EEC

1. **Trade Name:**

Company:

Dead Sea Works Ltd.  
P.O.Box 75 Beer-Sheva 84101  
Israel

Tel:

972-7-6465347

Emergency Information:

Sunday to Thursday between 7.30 am to 15.30 pm.  
at Tel: 972-7-6465632

2. **Composition/Information  
on ingredients:**

	<u>Range</u>
Magnesium Chloride (MgCl <sub>2</sub> )	46.0 - 48 %
Calcium Chloride (CaCl <sub>2</sub> )	2.0 - 3.0 %
Sodium Chloride (NaCl)	0.5 - 1.0 %
Potassium Chloride (KCl)	0.2 - 1.0 %
Water (H <sub>2</sub> O)	Balance to 100 %

Cas No.

7791-18-6

3. **Possible Hazards:**

Critical Hazards to man  
and environment

Inapplicable

4. **First aid measures:**

On skin contact:

Wash with water

On contact with eyes:

Flush open eyes with plenty of water.

On ingestion:

Induce vomiting and consult physician.

5. **Fire fighting measures:**

Suitable extinguishing media:

Inapplicable, because not combustible

Special protective equipment:

Not required

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#### **6. Accidental release measures:**

Personal precautions:

No special measures required

Environmental precautions:

Avoid contamination of water sources

Methods of cleaning up:

Pick up mechanically and dispose according to point 13.  
Minor residues to be washed away with excessive water flow. Disposal of waste water according to regulations.

#### **7. Handling and Storage:**

Handling:

Prevent contact with water or humid atmosphere.

Protection against fire and explosion:

No special demands, because not combustible.

Storage:

Keep dry in storage, avoid moisture.

#### **8. Personal protection:**

Personal protective equipment:

Respiratory protection:

Dust mask under strong dust development

Hand protection:

Rubber gloves recommended if exposed for a long time

Eye protection:

Safety goggles under strong dust development

Body protection:

Not required.

#### **9. Physical and Chemical properties:**

Form:

Flakes

Colour:

White

Odour:

None

Change in physical state:

Hygroscopic

Flash Point:

Not applicable, because not combustible

Explosion hazard:

Not applicable

Density (20°C):

1.6 gr/cm<sup>3</sup>

Bulk Density:

800 - 900 kg/m<sup>3</sup>

Solubility in water (20°C):

167 g/100 ml water

pH value:

8.2

#### **10. Stability and reactivity**

Hazardous decomposition products: Above 160°C decomposes giving HCl gases

Hazardous reactions:

None



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15. **Regulatory Information:**

Labelling according to EEC Directives

No specific marking required according to EC-Regulations 67/548

National legislation/regulations

Directives in case of accidents                      not mentioned

Regulations on dangerous materials              not mentioned

Technical directives concerning air              not mentioned

In the catalogue of water jeopardizing products of June 12, 1987 in class WGK (0)

16. **Other information:**

The information contained herein is based on our present knowledge and is not meant to guarantee product properties.

Recipients of our product must take responsibility for observing existing laws and regulations.

Alan Becker  
Dead Sea Works Ltd.,

Chief Process Engineer  
Chemical Products