

Material Safety Data Sheet

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Material Safety Data Sheet

DS7489889

1. Identification

Identification of the product

Catalogue No: **0168/1; 0168/100; 0168/50; 0168/500; MA055**

Product name: **Magnesium sulphate**

Synonyms Epsom Salts

Manufacturer/supplier identification

Company: Scientific & Chemical Supplies Limited
Carlton House, Livingstone Road
Bilston. West Midlands WV14 0QZ

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2. Composition/information on ingredients

Chemical classification

Inorganic salt

CAS number: 7487-88-9 EC-No.: 231-298-2

3. Hazards identification

Not classified as dangerous according to EC Directives.

4. First aid measures

- Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
- Inhalation: Remove from exposure.
- Skin contact: Wash off thoroughly with soap and water.
- Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

5. Fire-fighting measures

Special risks:

May evolve toxic fumes in fire.

Suitable extinguishing media:

To suit environment.

6. Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Do not breathe dust. Avoid contact with skin and eyes.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

As appropriate to the situation and the quantity handled.

- Respirator: Dust respirator when dusts are generated.
- Ventilation: Extraction hood
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

Physical State:	Solid
Appearance:	Colourless to white
Odour:	Odourless
pH:	~7.9 (50g/l, H ₂ O, @25°C).
Vapour Pressure:	< 0.1 mm Hg @ 20°C
Freezing/Melting Point:	1124°C (decomposes)
Solubility in water:	Soluble
Specific Gravity/Density:	2.66
Molecular Formula:	MgSO ₄
Molecular Weight:	120.36

10. Stability and reactivity

Stable.

11. Toxicological information

Therapeutically used substance. No acute toxicity even at high doses. After ingestion of large amounts: diarrhoea.

No evidence of carcinogenic properties.

12. Ecological information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

The following applies to magnesium compounds in general: lethal for fish 100-400 mg/l.

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport information

UN-No.:	Not regulated.	IMDG class:
IMO:		Packaging group:
IATA:		Packaging group:
Correct technical name:		
ADR/RID:		

15. Regulatory information

Labelling according to EC directives

Symbol:

R-phrases: R99

Not classified as dangerous according to EC Directives.

S-phrases:

EC-No.: 231-298-2

Local Regulations

UK Exposure Limits: None assigned

16. Other information

Date of issue: 1 July 2002

Important Statement

The information above is believed to be accurate and represents the best information currently available from multiple crosschecked sources.

However, we make no warranty express or implied, with respect to such information, and we assume no liability resulting from its use.

Users should make their own investigations to determine the suitability of the information for their particular purposes.

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