

MATERIAL SAFETY DATA SHEET  
EPSOM SALTS



### 1. Identification of Substance, Preparation and Company

Product Name: Epsom Salts  
Company Name: Bathbomb.biz limited  
Company Address: 37 Worting Road  
Basingstoke  
Hampshire  
RG21 8TZ  
Emergency Phone Number: 01256 474889

### 2. Composition Information on Ingredients

Definition / Botanical Origin: Magnesium sulphate, heptahydrate of chemical formula  $MgSO_4 \cdot 7H_2O$   
Status: Chemical  
CAS No. 10034-99-8  
Additives: None

### 3. Hazards Identification

- Not hazardous in normal industrial use

### 4. First Aid Measures

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.  
Eye Exposure: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.  
Skin Contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.  
Ingestion: Rinse mouth out with water. Seek medical advice **immediately**  
Others: Take Risk and Safety phrases (section 15) into consideration.



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**5. Fire Fighting Measures**

Extinguishing Media Recommended: Use CO<sub>2</sub>, Dry Powder or Foam Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

Special Measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

**6. Accidental Release Measures**

Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages..

Environmental precautions: Keep away from drains, soils, surface & ground waters.

Cleaning up methods for spillages: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe local disposal regulations.

**7. Handling and Storage**

Precautions in handling: Apply good manufacturing and industrial hygiene practices ensuring proper ventilation. Do not drink, eat or smoke while handling. Observe good personal hygiene.

Storage conditions: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. See section 9.

Fire protection: Keep away from ignition sources and naked flame. Take precautions to avoid static discharges in working area.

**8. Exposure Controls / Personal Protection**

Respiratory protection: Avoid breathing product vapour. Apply local ventilation where possible.

Ventilation: Ensure good ventilation of working area.

Hand protection: Avoid all skin contact. Use chemically resistant gloves if required.

Eye protection: Wear safety glasses.

Work/Hygiene practices: Wash hands with soap & water after handling.



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### 9. Physical and Chemical Properties

Colour / Appearance:	Colourless to white, crystalline powder
Odour:	Essentially odourless
Solubility in water:	71g/100ml at 20°C
Bulk density:	1.05 g/cm <sup>3</sup> approx

### 10. Stability and Reactivity

Reactivity:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with metal hydrides and other water reactive materials.
Decomposition:	At very high temperatures, magnesium oxide, sulphur dioxide and sulphur trioxide may be generated.

### 11. Toxicological Information

Product may cause mild irritation to eyes

### 12. Ecological Information

Biodegradability:	Data not available
Precautions:	Prevent surface contamination of soil, ground & surface water.

### 13. Disposal Considerations

- Dispose of according to local regulations
- Avoid disposing into drainage systems and into the environment

### 14. Transport Information

Road (ADR/RID):	Not applicable
Air (IATA):	Not applicable
Sea (IMDG)	Not applicable
CHIP:	See section 15

### 15. Regulatory Information (According to Directive 88/379/EEC)

Hazards:	Not applicable
Symbols:	Not applicable
Risk Phrases:	Not applicable
Safety Phrases:	Not applicable



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**16. Other Information**

Cosmetics Directive 7<sup>th</sup> Amendment: Not restricted

**16.1. Packaging**

Type	Suitability
Glass:	Yes
Lacquer lined steel / tin:	Yes
Aluminium:	Yes
HDPE:	Yes
F/HDPE:	Yes
Other plastic:	Yes

**16.2. Shelf Life**

When stored within advised conditions, re-test after 12 months then at 6 monthly intervals up to a maximum life of 36 months.

**16.3. QC Requirements**

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use..

Should you have any questions relating to the use of this product, please contact bathbomb.biz Ltd either by phone (01256 474889) or by email ([fizzy@bathbomb.biz](mailto:fizzy@bathbomb.biz)) .

