

## Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** Epsom Salt  
**CAS number:** 10034-99-8  
**EINECS number:** 231-298-2  
**Synonyms:** -  
**INCI name:** Magnesium Sulfate Heptahydrate

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance/mixture:** Industrial use.  
**Uses advised against:** No additional information available.

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Bath and Body Base Ltd  
2A Laurel Way  
Bishop Auckland  
Co. Durham  
DL14 7NF  
**Tel:** 07493 064263  
**Email:** technical@bathandbodybase.com

#### 1.4. Emergency telephone number

**Emergency tel:** 07493 064263

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 (CLP):** Not classified.

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 (CLP):** No labelling applicable.

#### 2.3. Other hazards

**PBT/vPvB:** This substance/mixture does not meet the PBT criteria of REACH regulation, Annex XIII.  
This substance/mixture does not meet the vPvB criteria of REACH regulation, Annex XIII.

**Section 3: Composition/information on ingredients****3.1. Substances**

**Chemical identity:** Chemical name: Magnesium Sulfate Heptahydrate  
EC No.: 231-298-2  
CAS No.: 10034-99-8

**3.2. Mixtures**

**Mixtures:** Not applicable.

**Section 4: First aid measures****4.1. Description of first aid measures**

**Skin contact:** Wash skin with plenty of water.  
**Eye contact:** Rinse eyes with water as a precaution.  
**Ingestion:** Call for medical assistance if person feels unwell.  
**Inhalation:** Remove person to fresh air and keep comfortable for breathing.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms/effects:** No additional information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate/special treatment:** Treat symptomatically.

**Section 5: Fire-fighting measures****5.1. Extinguishing media**

**Suitable extinguishing media:** Water spray. Dry powder. Foam.  
**Unsuitable extinguishing media:** No information available.

**5.2. Special hazards arising from the substance or mixture**

**Hazardous decomposition products:** Toxic fumes may be released.

**5.3. Advice for fire-fighters**

**Protection during fire-fighting:** Do not attempt to take action without wearing suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  
**Other information:** Do not allow run-off from fire-fighting to enter drains or water courses.

**Section 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel:</b>	Ventilate spillage area
<b>For emergency responders:</b>	Do not attempt to take action without suitable protective equipment. For further information refer to Section 8, Exposure controls/personal protection.

**6.2. Environmental precautions**

<b>Environmental precautions:</b>	Do not discharge into drains or rivers.
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**6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up:</b>	Mechanically recover the product
<b>Other information:</b>	Dispose of materials or solid residues at an authorised site.

**6.4. Reference to other sections**

<b>Reference to other sections:</b>	See Section 7 for information on safe handling. See Section 8 for information concerning personal protective equipment to use. See Section 13 for further information.
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**Section 7: Handling and storage****7.1. Precautions for safe handling**

<b>Precautions for safe handling:</b>	Ensure good ventilation of the workstation. Wear personal protective equipment.
<b>Hygiene measures:</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage conditions:</b>	Store in a well-ventilated place. Keep cool.
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**7.3. Specific end use(s)**

<b>Specific end use(s):</b>	Industrial use.
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**Section 8: Exposure controls/personal protection****8.1. Control parameters**

<b>Control parameters:</b>	No additional information available.
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**8.2. Exposure controls**

<b>Engineering measures:</b>	Ensure good ventilation of the workstation.
<b>Respiratory protection:</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Dust protection: dust mask with filter type P1.

<b>Hand protection:</b>	Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Nitrile rubber.
<b>Eye protection:</b>	Safety glasses.
<b>Skin protection:</b>	Wear suitable protective clothing.
<b>Environmental:</b>	Avoid release to the environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>State:</b>	Crystalline powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	No data available.
<b>pH:</b>	8 (25°C; aqueous solution)
<b>Melting point:</b>	770°C
<b>Initial boiling point and range:</b>	Not applicable. The sample decomposes before boiling point.
<b>Other flammability:</b>	This product is not flammable.
<b>Relative density:</b>	1.7g/cm <sup>3</sup>
<b>Solubility(ies):</b>	342g/l water @ 20°C soluble in water. Soluble in the following materials: Alcohols.
<b>Explosive properties:</b>	No considered to be explosive.
<b>Oxidising properties:</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Bulk density:</b>	980kg/m <sup>3</sup>
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## Section 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity:</b>	The product is non-reactive under normal conditions of use, storage and transport.
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### 10.2. Chemical stability

<b>Chemical stability:</b>	Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Hazardous polymerisation:</b>	No dangerous reactions known under normal conditions of use. Will not polymerise.
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### 10.4. Conditions to avoid

<b>Conditions to avoid:</b>	None under recommended storage and handling conditions.
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**10.5. Incompatible materials**

**Materials to avoid:** None known.

**10.6. Hazardous decomposition product**

**Haz. decomp. products:** Under normal conditions of storage use, hazardous decomposition products should not be produced.

**Section 11: Toxicological information****11.1. Information on toxicological effects**

**Acute toxicity:** Not classified (based on available data, the classification criteria are not met).

**LD50 oral rat:** >2,000mg/kg

**LD50 dermal rat:** >2,000mg/kg

**Skin corrosion/Irritation:** Not classified (based on available data, the classification criteria are not met).  
pH: 8 (25°C; aqueous solution)

**Germ cell mutagenicity:** Not classified (based on available data, the classification criteria are not met).

**Carcinogenicity:** Not classified (based on available data, the classification criteria are not met).

**Reproductive toxicity:** Not classified (based on available data, the classification criteria are not met).

**Specific target organ toxicity:** Not classified (based on available data, the classification criteria are not met).

**Aspiration hazard:** Not classified (Not specifically applicable).

**Section 12: Ecological information**

**Ecotoxicity:** Not regarded as dangerous for the environment.

**12.1. Toxicity**

**LC50 Fish 1:** 680mg/l Pimephales promelas

**EC50 Daphnia 1:** 720mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No information required.

**12.3. Bioaccumulative potential**

**Log Pow:** Not applicable.

**12.4. Mobility in soil**

**Ecological – soil:** Not applicable.

**12.5. Results of PBT and vPvB assessment**

**PBT/vPvB:** This substance/mixture does not meet the PBT criteria of REACH regulation, Annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, Annex XIII.

**12.6. Other adverse effects**

**Other adverse effects:** None known.

**Section 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal methods:** Dispose of the contents/container in accordance with licenced collector's sorting instructions.

**Section 14: Transport information**

In accordance with ADR/RID/IMDG/IATA/ADN

**UN number or ID number:** Not applicable.

**UN proper shipping name:** Not applicable.

**Transport hazard class(es):** Not applicable.

**Packaging group:** Not applicable.

**Environmental hazards:** Not applicable.

**Special precautions for user:** Not applicable.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulations:** No Reach Annex XVII restrictions. Magnesium Sulphate Heptahydrate is not on the REACH candidate list.

**National regulations:** No additional information available.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** No chemical safety assessment has been carried out.

**Section 16: Other information****16.1. Other information****Other information:**

\* Indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:**

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Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.