



January 2017

## MATERIAL AND SAFETY DATA SHEET

### Epsom Salt

#### SECTION1: Identification of Product and Supplier

**Product Name:** Epsom Salt  
**Supplier Name:** Naturally Balmy Ltd

#### Description of Product:

Epsom Salts are a white crystalline powder which is soluble in warm water. The Epsom Salt is sourced as food grade product.

#### Section 2: Composition and Information on Ingredients

**INCI Name:** Magnesium Sulphate  
**CAS Number:** 10034-99-8  
**EINECS/ELINS Number:** 231-298-2  
**Chemical Nomenclature:** 28,332,100  
**Molecular Weight:** 246.48

#### **Typical Chemical Analysis:**

Magnesium Sulphate (MgSO <sub>4</sub> )	49.1%
Water (H <sub>2</sub> O)	0.9%

#### **Physical Properties:**

White crystals.

Readily soluble in water, practically without residues; always vigorously stir the salt into water or solution



Special characteristics:

Depending on ambient temperature and prevailing relative humidity Epsom salt is prone to absorption of water and dehydration, which can result in caking.

**Additives:** None

**Declaration of Restricted Ingredients:**

To the best of our knowledge the product does not contain any restricted ingredients.

**Section 3: Hazards Identification**

Not considered hazardous.

The substance is not considered to be persistent, bioaccumulating or toxic.

**Section 4: First Aid Measures**

Eye contact: wash the eyes thoroughly with potable water

Skin contact: rinse with water

Inhalation: if inhalation of the salt occurs then medical advice should be sought, inhalation of the dissolved salt is not harmful

Ingestion: Spit out remaining salt out, rinse mouth with water, Seek medical advice

**Section 5: Fire Fighting Measures**

Flash point	None
Flammable Limits	None
Extinguishing Media	Not required
Special Fire Fighting Procedures	None.
Unusual Fire and Explosion Hazards	None

**Section 6: Accidental release measure Spill or Leak Procedures:**

Steps to be taken in case Material is released or spilled:

Shovel or sweep up and place in waste disposal container. Flush Area with water.

Waste disposal Method:

Disposal must be made in accordance with local regulations for non-hazardous Materials.

**Section 7 Handling and Storage**

Handling: Keep the product dry and avoid exposure to moisture and humidity



Storage: Keep out of the reach of children. Store in a cool dry place and keep the salt sealed

**Section 8: Exposure Controls and Personal protection:**

Respiratory Protection:	For dusty conditions, a disposable mask with particulate filtration is adequate
Ventilation:	None
Protective Gloves:	Required
Eye Protection:	Safety glasses are required
Other protective equipment:	Not required.

**Section 9: Physical and Chemical Data:**

Aspect	Epsom Salt
Color:	White
Odor:	no scent
Ph:	5.0 – 7.0
Melting point:	1124C
Loose Bulk Density:	2.66g/cm <sup>3</sup> at 20C
Solubility	25.8% at 20C
Flash point	None
Explosive Limits	None

**Section 10: Stability and Reactivity Data:**

Stability:	Stable
Conditions to avoid:	Material is slightly hygroscopic. Avoid exposure to moisture.
Incompatibility (Material to avoid):	None
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur

**11. Toxicological Data:**

No acute or chronic toxic effects are expected when used as directed

No toxicological data available

**12. Ecological Data:**

The product is biodegradable so no ecological effects are expected when disposing of small amounts.



**Section 13. Disposal Consideration**

Dispose of as non hazardous waste

**Section 14: Transport Information**

Not classified

**Section 15: Regulatory Information**

Not dangerous within the meaning of the Directive 67/548/EEC.

**Section 16: Other Information**

N/A

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