

# HEBEI MEISHEN TECHNOLOGY CO., LTD

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## Magnesium Sulphate MSDS

### Section 1-Product Identification

#### **【Product Name】**

Magnesium Sulphate Heptahydrate

#### **【Synonyms】**

Epsom salts

#### **【CAS】**

**10034-99-8**

#### **【Molecular Weight】**

246.48

#### **【EINECS】**

231-298-2

### Section 2-Physical and Chemical Properties

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#### **【Appearance】**

Transparent, odorless solid.

### **【Solubility in water】**

Insoluble.

### **【Melting Point】**

1124

### **【Density】**

2.66 g/cm<sup>3</sup> (20 C)

### **【Usage】**

A component of bath salts.

## **Section 3-First Aid Measures**

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### **【Ingestion】**

Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

### **【Inhalation】**

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

### **【Skin】**

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

### **【Eyes】**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

## Section 4-Handling and Storage

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### **【Storage】**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### **【Handling】**

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

## Section 4-Hazards Identification

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### **【Ingestion】**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

### **【Inhalation】**

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

### **【Skin】**

May cause skin irritation. The toxicological properties of this material have not been fully investigated.

### **【Eyes】**

May cause mild eye irritation. The toxicological properties of this material have not been fully investigated.

## Section 5-Exposure Controls/Personal Protection

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### **【Personal Protection】**

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

### **【Respirators】**

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

### **【Poison Class】**

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## **Section 6-Fire Fighting Measures**

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### **【Fire Fighting】**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Extinguishing media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use agent most appropriate to extinguish fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

## **Section 7-Accidental Release Measures**

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### **【Small spills/leaks】**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation.

## **Section 8-Stability and Reactivity**

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### **【Incompatibilities】**

Oxidizing agents.

### **【Stability】**

Stable under normal temperatures and pressures.

### **【Decomposition】**

Irritating and toxic fumes and gases, sulfur oxides (SO<sub>x</sub>), including sulfur oxide and sulfur dioxide.

## **Section 9-Transport Information**

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### **【HS Code】**

2833 21 00