

## Section 1. Identification

**Product Name:** Epsom Salt (Magnesium Sulfate)    **Manufacturer's Name:** Greenway Biotech, Inc.  
Product Type: Epsom Salt    Address: 10632 Painter Ave.  
Santa Fe Springs, CA 90670  
Phone: 562-351-5168  
Emergency Phone: 800-424-9300

Relevant identified use of the substance or mixture & uses advised against.  
**Use only in accordance with label directions.**

## Section 2. Hazards Identification

OSHA/HCS Status:    While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling & proper use of the product. This SDS should be retained & available for employees & other users of the product.

Classification of the substance or mixture:    Not Classified

### **GHS Label Elements:**

Signal Word:    None  
Hazard statements:    No known significant effects or critical hazards

### **Precautionary Statements:**

General:    Read label before use. Keep out of reach of children. If medical advice is needed, have product label at hand.  
Prevention:    Not applicable  
Response:    Not applicable  
Storage:    Not applicable  
Disposal:    Not applicable

**Supplemental label elements:** None Known  
**Hazards not otherwise classified:** None Known

### **Section 3. Composition/Information On Ingredients**

**Substance/mixture:** Epsom Salt (Magnesium Sulfate)  
**Chemical name:** Magnesium Sulfate Heptahydrate

There are no additional ingredients present which, within the current knowledge of the supplier & in the concentrations applicable, are classified as hazardous to health or the environment & hence require reporting in this section

**Occupational exposure limits, if available, are listed in Section 8.**

### **Section 4. First Aid Measures**

#### **Description of necessary first aid measures**

Eye contact:	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.
Inhalation:	Remove patient from exposure, keep warm and at rest. If symptoms develop, obtain medical attention.
Skin contact:	If irritation (redness, rash, blistering) develops, get medical attention.
Ingestion:	Do not induce vomiting. Wash out mouth with water. If large amount swallowed or symptoms develop obtain medical attention.

#### **Most important symptoms/effects, acute & delayed**

##### **Potential acute health effects**

Eye contact:	No known significant effects or critical hazards.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

### **Over-exposure signs/symptoms**

Eye contact: No specific data.  
Inhalation: No specific data.  
Skin contact: No specific data.  
Ingestion: No specific data.

### **Indication of immediate medical attention & special treatment needed, if necessary**

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
Specific treatments: No specific treatment.  
Protection of first-aiders: No actions shall be taken involving any personal risk or without suitable training.

### **See toxicological information (Section 11)**

## **Section 5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.  
Unsuitable extinguishing media: None known.  
Specific hazards arising from the chemical: No specific fire or explosion hazards.  
Hazardous thermal decomposition products: Decomposition products may include the following materials:  
Carbon dioxide  
Carbon monoxide  
Nitrogen oxides  
Halogenated compounds  
Metal oxide/oxides  
Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken

involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment & self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **Section 6. Accidental Release Measures**

### **Personal precautions, protective equipment & emergency procedures**

For non-emergency personnel:	Not applicable
For emergency responders:	Not applicable
Environmental precautions:	Avoid dispersal of spilled material & runoff & contact with soil, waterways, drains & sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods & materials for containment & cleaning up**

Spill:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material & place in a designated, labeled water container. Dispose of via a licensed waste disposal contractor. Note: Section 1 for emergency contact information & Section 13 for waste disposal.
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## **Section 7. Handling & Storage**

### **Precautions for safe handling**

Protective measures:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene:	Eating, drinking & smoking should be prohibited in areas where this material is handled, stored & processed. Workers should wash hands & face before eating, drinking & smoking. Remove contaminated clothing & protective equipment before

entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) & food & drink. Keep container tightly closed & sealed until ready for use. Containers that have been opened must be carefully resealed & kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## **Section 8. Exposure Controls / Personal Protection**

### **Occupational exposure limits:**

None

Appropriate engineering controls:

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

Environmental exposure controls:

Not applicable.

### **Individual protection measures**

Respiratory protection:

Avoid inhalation of dusts. Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded. Advice on respiratory protective equipment is given in the HSE (Health and Safety Executive) publication HS(G)53.

Eye/face protection:

Safety spectacles. Goggles.

Skin protection:

Wear suitable protective clothing and gloves. If abrasion or irritation occurs

## **Section 9. Physical & Chemical Properties**

### **Appearance**

Physical State:	Powder
Color:	White
Odor:	Odorless
Odor threshold:	Not available
pH:	Not available
Melting point:	Not available
Boiling point:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Lower & Upper explosive: (flammable) limits:	Lower: Not available Upper: Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility:	71 g/100 ml at 20°C, 91 g/100 ml at 40°C
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Dynamic: Not available Kinematic: Not available

## **Section 10. Stability & Reactivity**

Reactivity:

No specific test data related to reactivity available for this product or its ingredients

Chemical stability:	The product is stable
Possibility of hazardous reactions:	Under normal conditions of storage & use, hazardous reactions will not occur
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition products:	Under normal conditions of storage & use, hazardous decomposition products should not be produced.

## **Section 11. Toxicological Information**

### **Information on toxicological effects**

Conclusion/Summary:	No known significant effects or critical hazards.
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### **Irritation/Corrosion**

Conclusion/Summary	
Skin:	May cause skin irritation.
Eyes:	May cause eye irritation.
Respiratory:	May cause respiratory irritation

### **Sensitization**

Conclusion/Summary	
Skin:	Not sensitizing - based on the individual components.
Respiratory:	Not sensitizing - based on the individual components.

### **Mutagenicity**

Conclusion/Summary:	No known significant effects or critical hazards.
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### **Carcinogenicity**

Conclusion/Summary:	No known significant effects or critical hazards.
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### **Reproductive toxicity**

Conclusion/Summary: No known significant effects or critical hazards.

### **Teratogenicity**

Conclusion/Summary: No known significant effects or critical hazards.

### **Specific target organ toxicity (single exposure)**

### **Specific target organ toxicity (repeated exposure) Aspiration hazard**

Information on the likely routes of exposure: Not available

### **Potential chronic health effects**

Conclusion/Summary: No known significant effects or critical hazards.

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

## **Section 12. Ecological information**

### **Toxicity**

Conclusion/Summary: Not available

### **Persistence & Degradability**

Conclusion/Summary: No known significant effects or critical hazards.

### **Mobility in soil**



Soil/water partition coefficient (KOC): Not available  
Other adverse effects: No known significant effects or critical hazards.

## Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions & any by-products should at all times comply with the requirements of environmental protection & waste disposal legislation & any regional local authority requirements. Dispose of surplus & non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material & its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material & runoff & contact with soil, waterways, drains & sewers.

## Section 14. Transport Information

<u>Regulatory Information</u>	<u>UN no.</u>	<u>Proper Shipping Name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT					

PG\*: Packing Group

## Section 15. Regulatory Information

### Precautionary statements

Signal word: No signal word.  
Emergency Overview: Keep out of reach of children.

U.S. Federal regulations: United States inventory (TSCA 8b):

Not determined.

**State regulations**  
**International lists**  
**National inventory**

Australia:	At least one component is not listed.
Canada:	At least one component is not listed.
China:	At least one component is not listed.
Europe:	At least one component is not listed.
Japan:	At least one component is not listed.
Malaysia:	Not determined.
New Zealand:	At least one component is not listed.
Philippines:	At least one component is not listed.
Korea:	Republic of
Taiwan:	At least one component is not listed.
	Not determined.

**Section 16. Other Information**

**National Fire Protection Association (U.S.A.)**

Flammability:	Zero
Health:	Zero
Instability/Reactivity:	Zero
Special:	None

**History**

Date of issue: 01/09/2018

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards & should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



