

# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Epsom Salt, Magnesium Sulfate, U.S.P.

### Other means of identification

**Synonyms** Magnesium Sulfate Heptahydrate, Epsom Salts

### Recommended use of the chemical and restrictions on use

**Recommended Use** Bath Soak, purgative

**Uses advised against** No information available

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

**Supplier Name** PL Developments  
**Supplier Address** 28966 Hwy 76 East  
Clinton  
SC  
29325  
US  
**Supplier Phone Number** Phone: (864) 833-1078  
**Supplier Email** KGaston@pldevelopments.com  
**Emergency telephone number**

## 2. HAZARDS IDENTIFICATION

### Classification

White or transparent crystalline odorless powder. Noncombustible. At very high temperatures, magnesium oxide, sulfur dioxide, and sulfur trioxide may be generated. This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### GHS Label elements, including precautionary statements

Not a dangerous substance or mixture according to the Globally Harmonized Systems (GHS)



### Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Granular to fine granular      **Physical State** Solid      **Odor** None

#### Precautionary Statements - Prevention

Causes mild irritation to the eyes  
 No Known adverse effects  
 Causes nausea, vomiting, abdominal cramps and diarrhea  
 Spilled material can be slippery

#### Precautionary Statements - Response

None

#### Precautionary Statements - Storage

None

#### Precautionary Statements - Disposal

None

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Unknown Toxicity

100% of the mixture consists of ingredient(s) of unknown toxicity

#### Other information

May cause slight eye irritation

#### Interactions with Other Chemicals

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 4. FIRST AID MEASURES

#### First aid measures

##### Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

##### Skin Contact

Not Applicable.



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<b>Inhalation</b>	Remove to fresh air. Administer oxygen if breathing is difficult. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	If large quantities of this material are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

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

**Most Important Symptoms and Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

This material is compatible with all extinguishing media.

**Unsuitable extinguishing media**

None.

**Specific Hazards Arising from the Chemical**

See section 2 for information on hazards when this material is present in the area of fire.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with eyes.

### Environmental Precautions

**Environmental Precautions** Sinks and mixes with water. No adverse effects known.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep, scoop or vacuum discharged material. Flush residue with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Avoid breathing dust. Promptly clean up spills.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed and protected from extremes of temperature and humidity during storage. Recommended storage conditions 68-110°F and 54-87% relative humidity.

**Incompatible Products** Metal hydrides and other water reactive materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear chemical goggles.

**Skin and Body Protection** Wear gloves if abrasion or irritation occurs.



**Respiratory Protection** Provide workers with NIOSH approved respirators in accordance with requirements of 29 CFR 1910. 134 for level of exposure incurred.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Solid	<b>Odor</b>	None
<b>Appearance</b>	Granular to fine granular	<b>Odor Threshold</b>	No information available
<b>Color</b>	White or transparent		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	Approx. 6-7	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	1.76g/cm <sup>3</sup>	None known	
Water Solubility	71g/100ml at 20C 91g/100ml at 40°C		
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available		
Oxidizing Properties	No data available		

### Other Information

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Density</b>	No data available
<b>Bulk Density</b>	60-70 lb/ft <sup>3</sup>

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Metal hydrides and other water reactive materials.

### Hazardous Decomposition Products

At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

Specific test data for the substance or mixture is not available.

#### Inhalation

Specific test data for the substance or mixture is not available.

#### Eye Contact

Irritating to eyes.

#### Skin Contact

Specific test data for the substance or mixture is not available.

#### Ingestion

Specific test data for the substance or mixture is not available.

#### Component Information

### Information on toxicological effects

#### Symptoms

No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Sensitization

No information available.

#### Mutagenic Effects

No information available.

<b>Carcinogenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	None known.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity   Product Information**

**Unknown Acute Toxicity**      100% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

This material is not persistent in aquatic systems.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations. Do not reuse container.

## 14. TRANSPORT INFORMATION



<b><u>DOT</u></b>	Not regulated by DOT as a hazardous material. No hazard class, label or placard required, no UN or NA number assigned.
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>RID</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substance/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)





**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

**International Regulations**

**Canada**

**WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	1	<b>Flammability</b>	0	<b>Instability</b>	0	<b>Physical and Chemical Hazards - Personal Protection X</b>
<b>HMIS</b>	<b>Health Hazards</b>	1	<b>Flammability</b>	0	<b>Physical Hazard</b>	0	

**Prepared By** Product Stewardship  
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**Revision Note** No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**

