

## SAFETY DATA SHEET

### Section 1 Identification

**Product Name:** Standard and Mini Prilled Sucra-Min Magnesium Sucrate 45% Mg

**Recommended use:** Soil Enhancer

**Not Recommended:** Use only as directed.

**Manufacturer:** Harrison Gypsum, LLC dba Arcosa Specialty Materials  
1550 Double Drive  
Norman, OK 73069

**Telephone:** 800-624-5963

**Website:** [www.ArcosaSpecialtyMaterials.com](http://www.ArcosaSpecialtyMaterials.com)

### Section 2. Hazard Identification

**Classification:** Not classified as hazardous

**Labeling:** Not Required

### Section 3. Composition / Information On Ingredients

| Chemical name            | CAS No.   | Concentration |
|--------------------------|-----------|---------------|
| Dead burned magnesite    | 1309-48-4 | 60-90%        |
| Brucite                  | 1317-43-7 | 10-40%        |
| Magnesium Lignosulfonate | 8061-54-9 | 1-5%          |

The specific identity and/or exact concentration has been withheld as a trade secret.

### 4. First-Aid Measures

**Inhalation:** If irritation develops, remove to fresh air. Get medical attention if irritation persists.

**Skin contact:** No first aid should be needed. Wash with soap and water. Get medical attention if irritation develops.

**Eye contact:** Flush with plenty of water, holding the eyelids apart to ensure thorough washing. Get medical attention if irritation persists.

**Ingestion:** No first aid should be required. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if large amount is swallowed.

**Most important symptoms/effects, acute and delayed:** Poses little or no health hazard. May cause mild, abrasive irritation to the eyes, skin and respiratory tract.

**Indication of immediate medical attention and special treatment, if necessary:** None required under normal conditions of use.

## Section 5. Fire-Fighting Measures

**Suitable (and unsuitable) extinguishing media:** Use media appropriate for the surrounding fire. Cool fire exposed container with water.

**Specific hazards arising from the chemical:** This material is not combustible and presents no fire hazard.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

## Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective equipment. Avoid creating and breathing dust.

**Environmental hazards:** Avoid unintentional release to the environment.

**Methods and materials for containment and cleaning up:** Sweep or vacuum spilled material and place into a container for reuse or disposal.

## 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with the eyes. Avoid creating and breathing dust.

**Conditions for safe storage, including any incompatibilities:** Keep containers closed when not in use.

## Section 8. Exposure Controls / Personal Protection

**Exposure guidelines:**

|  |  |
|--|--|
| Dead burned magnesite (as magnesium oxide) | 15 mg/m <sup>3</sup> TWA OSHA PEL (total particulate)<br>10 mg/m <sup>3</sup> TWA ACGIH TLV (inhalable fraction) |
| Brucite                                    | None Established   |
| Magnesium Lignosulfonate                   | None Established   |

**Appropriate engineering controls:**

**Engineering Controls:** Good outdoor ventilation should be adequate under normal conditions.

**Individual protection measures, such as personal protective equipment:**

**Respiratory protection:** In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Eye protection:** Follow facility requirements. Dust goggles recommended for dusty conditions.

**Skin protection:** Abrasive resistant gloves are recommended to prevent skin abrasions. **Other:** None required.

## Section 9. Physical and Chemical Properties

**Appearance:** Black pellets

**Odor:** Odorless

|  |  |
|--|--|
| <b>Odor threshold:</b> Not applicable                        | <b>pH:</b> Not applicable                        |
| <b>Melting Point/Freezing Point:</b> >2372°F />1300°C        | <b>Boiling point:</b> Not applicable             |
| <b>Flash point:</b> Not applicable                           | <b>Evaporation rate:</b> Not applicable          |
| <b>Flammability (solid, gas):</b>                            |  |
| <b>Flammable limits: LEL:</b> Not applicable                 | <b>UEL:</b> Not applicable                       |
| <b>Vapor pressure:</b> Not applicable                        | <b>Vapor density:</b> Not applicable             |
| <b>Relative density:</b> 103 lb./ft <sup>3</sup>             | <b>Solubility in Water:</b> Slight               |
| <b>Partition coefficient: n-ctanol/water:</b> Not applicable | <b>Auto-ignition temperature:</b> Not applicable |
| <b>Decomposition Temperature:</b> Not available              | <b>Viscosity:</b> Not applicable                 |

### Section 10. Stability and Reactivity

**Reactivity:** Not reactive

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid strong acids.

**Hazardous decomposition products:** None known.

### Section 11. Toxicological Information

**Likely routes of exposure:**

**Inhalation:** Inhalation of dust may cause mild irritation of mucous membranes and upper respiratory tract.

**Ingestion:** Swallowing large amounts may cause gastric upset and nausea.

**Skin contact:** No adverse effects are expected. May cause mechanical irritation.

**Eye contact:** Dust may cause mechanical irritation with redness and tearing.

**Chronic effects:** No adverse effects expected.

**Germ Cell Mutagenicity:** This product is not expected to cause germ cell mutagenicity.

**Developmental / Reproductive Toxicity:** This product is not expected to cause adverse effects on reproduction or development.

**Carcinogenicity:** This product is not listed as carcinogen by OSHA, NTP or IARC.

**Acute Toxicity Values:**

Dead burned magnesite: Oral rat LD50 > 5000 mg/kg,

Brucite: Oral rat LD50 > 5000 mg/kg

### Section 12. Ecological Information

**Ecotoxicity:**

Dead burned magnesite: No data available

Brucite: No data available

**Persistence and degradability:** Biodegradation is not applicable for inorganic substances. **Bioaccumulative potential:** This product is not expected to bioaccumulate. **Mobility in soil:** No data available **Other adverse effects:** None known.

### Section 13. Disposal Considerations

Dispose in accordance with all local, state and federal regulations.

### Section 14. Transport Information

|      | UN Number | Proper shipping name | Hazard Class | Packing Group | Environmental Hazard |
|------|-----------|----------------------|--------------|---------------|----------------------|
| DOT  |           | Not Regulated        |              |               |                      |
| TDG  |           | Not Regulated        |              |               |                      |
| IMDG |           | Not Regulated        |              |               |                      |
| IATA |           | Not Regulated        |              |               |                      |
|      |           | Not Regulated        |              |               |                      |

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

### Section 15. Regulatory Information

**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA Section 103:** This product is not subject to CERCLA spill reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Not Hazardous

**EPA SARA 313:** This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

**US TSCA:** All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or are exempt.

**CANADA:**

**Canadian CEPA:** All of the components are listed on the Canadian DSL or are exempt.

**Canadian WHMIS:** Not a controlled product.

This product has been classified in accordance with the hazard criteria in the CPR and the SDS contains all the information required by the CPR.

### Section 16. Other Information

**NFPA Rating:** Health = 0      Flammability = 0      Instability = 0  
**HMIS Rating:** Health = 0      Flammability = 0      Physical Hazard = 0

**SDS Revision History:** All Sections revised - Update to GHS format

**Date of preparation:** March 8, 2017

**Date of last revision:** New SDS