



## SAFETY DATA SHEET

### SECTION I

### PRODUCT AND IDENTIFICATION

**Product Name:** Gypsum  
**Product Identifier:** Gypsum; Land Plaster; Agricultural Gypsum, Accelerator, Cement Rock  
**Other means of Identification:** None

**Restrictions on Use:** Avoid breathing dust. Use in well-ventilated areas.  
Avoid skin contact

**Manufacturer:** American Gypsum Company LLC  
5960 Berkshire Lane Suite 800  
Dallas, TX 75225

**Emergency Phone:** 1-800-545-6302 ext. 5608

### SECTION 2

### HAZARD IDENTIFICATION

**Emergency Overview:** OSHA Hazard Communication Standard (29CFR 1910.1200)

**GHS Classification of Substance:** Specific target Organ toxicity, repeated exposure – Category 2 (H-373) Upper respiratory Tract.  
Acute Toxicity, dermal – Category 4 (H312)  
Acute Toxicity, Inhalation – Category 4 (H332)

**Pictogram:**



**Signal Word:** WARNING

**Hazard Statement:** H-373; Causes Damage to organs (lungs) through prolonged or repeated exposure.  
H-312 and H-332; Harmful in contact with skin or if inhaled

**Precautionary Statement**

**Prevention** - Do not breathe dust  
**Response** – Difficulty breathing. Remove victim to fresh air and keep at rest  
On Skin. Wash with soap and water  
In eyes. Rinse with water. Remove contact lenses  
Seek medical attention  
**Storage** – Store material in a cool, dry place away from sunlight  
**Disposal** – Dispose of material in accordance with federal, state and local regulation.

<b>SECTION 3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Chemical Name	Common Name	CAS Number	% (Mass)	Impurities
Calcium Sulfate Dihydrate	Gypsum, Landplaster	10101-41-4	>70%	Silica (CAS 14808-60-7)

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
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<b>Inhalation:</b>	Move exposed individual to fresh air immediately. If breathing difficulty persists, seek medical attention. Obtain medical advice if coughing and or other symptoms persist.
<b>Skin:</b>	Wash with mild soap and flush with lukewarm water for 5 minutes. If irritation persists, obtain medical advice.
<b>Eyes:</b>	Do not permit person to rub eyes. If applicable, remove contact lenses and flush eyes with water for 10 minutes. If irritation persists, seek medical attention.
<b>Ingestion:</b>	Gypsum is non-toxic with no detrimental effects expected if small amounts are ingested. Obtain medical attention if gastric discomfort occurs
<b>General</b>	Pre-existing respiratory diseases may be aggravated by exposure Pre-existing skin conditions may be aggravated by exposure

<b>SECTION 5</b>	<b>FIRE FIGHTING MEASURES</b>
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<b>Extinguishing Media:</b>	Dry Chemical, foam, water or extinguishing media appropriate for surrounding fire
<b>Unusual Fire Hazard:</b>	None
<b>Special Hazards:</b>	At 2642°F, (1450°C) material may decay into calcium oxide and oxides of sulfur.
<b>Special Protective Equipment and Precautions:</b>	A SCBA is recommended to limit exposure to combustion products for any fire.

<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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No special precautions required. Wear appropriate personal protective equipment (see section 8).  
Maintain proper ventilation.

<b>Environmental Precautions:</b>	No ecological hazard. Dispose of in accordance to applicable federal and state regulations.
<b>Methods and Materials for Containment/cleanup:</b>	Vacuum spilled material with a HEPA filter equipped vacuum. Maintain proper ventilation

**SECTION 7****HANDLING AND STORAGE****Precautions for****Safe Handling:**

Avoid breathing dust. Minimize generating dust. Provide adequate ventilation. Avoid contact with eyes, skin and clothing. Wear recommended protective equipment (section 8) when handling.

**Safe Storage**

Store material in a cool, dry area away from sunlight. Keep containers closed if not in use.

**SECTION 8****EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Work/Hygiene Practices:** Use methods to minimize dust. Use wet methods where appropriate

**Ventilation:** Provide ventilation sufficient to maintain dust below PEL/TLV

**Respiratory Protection:** A NIOSH approved particulate respirator is recommended in poorly ventilated areas or if the PEL/TLV is exceeded. OSHA's 29CFR1920.34 shall be followed whenever work conditions require respirator use

**Eye Protection:** Safety glasses or goggles

**Skin:** Gloves, protective clothing and barrier creams may be used.

**Engineering Controls**

Use methods to minimize dust production. Use wet methods when appropriate

<u>MATERIAL</u>	<u>ACGIH TLV (mg/m<sup>3</sup>)</u>	<u>OSHA PEL (mg/m<sup>3</sup>)</u>
Gypsum or Calcium Sulfate	10 <sup>(T)</sup>	15 <sup>(T)</sup> 5 <sup>(R)</sup>
Crystalline Silica	0.025 <sup>(R)</sup>	0.1 <sup>(R)</sup>

T = Total Dust

R = Respirable Dust

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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Appearance:	White to Grey powder
Auto-ignition temperature:	Not applicable
Boiling point:	Not applicable
Bulk Density:	~ 55 lb/ft <sup>3</sup>
Decomposition temperature:	2642°F (1450°C)
Evaporation rate (n-Butyl Acetate = 1):	Not applicable
Flammable:	Not applicable
Flash point:	Not applicable
Freezing point:	Not applicable
Melting point:	Not applicable
Molecular formula:	CaSO <sub>4</sub> ·2H <sub>2</sub> O
Molecular weight:	Not applicable
Odor:	None
Partition Coefficient	Not applicable
pH:	~ 7
Physical State:	Solid
Solubility:	0.2% (approximate)
Specific gravity (water = 1):	2.32 – 2.87
Vapor Density:	Not applicable
Vapor Pressure:	Not applicable
Viscosity:	Not applicable
VOC content:	None

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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<b>Reactivity</b>	None Known
<b>Chemical Stability</b>	Stable
<b>Conditions to avoid</b>	Interaction with strong acids might result in generation of carbon dioxide.
<b>Incompatibility:</b>	None
<b>Hazardous decomposition:</b>	Gypsum may decompose to form calcium oxide (CaO) and sulfur dioxide (SO <sub>2</sub> ) if product is exposed to temperatures above 2642°F (1450°C).
<b>Hazardous polymerization:</b>	None known

**SECTION 11****TOXICOLOGICAL INFORMATION****Routes of Exposure**

Inhalation, skin, eyes and oral

**Carcinogenicity**

Crystalline Silica: Exposures to respirable crystalline silica are not anticipated during the typical use of this product; however, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. In June 1997, IARC classified crystalline silica (quartz and cristobalite) as a human carcinogen, and in making this assessment, the International Agency for Research on Cancer (IARC) noted that carcinogenicity in humans was not identified in all industrial environments studied. Carcinogenicity may be reliant on inherent features of the crystalline silica or on external influences affecting its biological movement of its polymorphs. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)

**Acute Toxicity**

The acute oral toxicity study (OECD TG 420) of calcium sulfate dihydrate disclosed that this substance did not cause any changes even at 2,000 mg/kg b.w. Therefore, the oral LD50 value was more than 2,000 - mg/kg b.w. for female rats. A gypsum paste applied experimentally to the eyes of rabbits was not an irritant. Calcium sulfate dihydrate was not irritating to the skin of rabbits at 1, 24, 48 and 72 hours after removal of test patches (OECD TG 404). There is no indication of skin sensitization in guinea pigs (OECD TG 406). Gypsum dust particulate has shown to be an irritant on mucous membranes of the respiratory tract and eyes. The sulfate ion has produced gastro-intestinal distress in humans following large oral doses. Limited studies involving the repeated inhalation of an (unspecified) calcium sulfate failed to identify any particular target organs in monkeys, rats and hamsters.

**Reproductive Effects**

In vivo and In vitro studies for mutagenicity and Reproduction and Developmental Toxicity Screening Tests were negative.

**Mutagenicity**

None

**Sensitization**

None (OECD TG 406) (OECD TG 404)

**Eye Damage/irritation**

N/A

**Respiratory Sensitization**

N/A

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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<b>Environmental Toxicity:</b>	Toxicity studies of gypsum performed with fish, aquatic invertebrates and aquatic plants showed no toxic effect. Gypsum is a naturally occurring mineral and this product has no known adverse effect on the ecology.
<b>Ecotoxicity value:</b>	Not applicable
<b>Persistence and Degradability</b>	Unknown
<b>Bioaccumulative Potential</b>	N/A
<b>Mobility in Soil</b>	Unknown

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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This material is not a hazardous waste, Dispose of in accordance with federal, state and local regulation

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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This product is not a DOT hazardous material. Shipping name is product name. ICAO/ITA/IMO are N/A

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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All ingredients are on TSCA Inventory

Federal Regulation

SARA Title III	Not Listed
Sec 302/304	Not Listed
Sec 311/312	Not Listed
Sec 313	Not Listed
CERCLA	Not Listed

State Regulation

CA Prop 65	Respirable crystalline silica is recognized by the state of California to cause cancer. Industrial Hygiene fails to find crystalline silica in this product
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<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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Supersedes        March 24, 2014

Manufacturer  
Disclaimer

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