



SAFETY DATA SHEET

SECTION I	PRODUCT AND IDENTIFICATION
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Revision Date: January 3, 2017

Product Group: Exterior Gypsum Sheathing Panels with Glass Mat Facers

Chemical Family: Gypsum (Calcium Sulfate Dihydrate $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$). These products contain no asbestos.

Manufacturer: American Gypsum Company LLC
3811 Turtle Creek Blvd., #1200
Dallas, TX 75219

Product Safety: 1-800-545-6302 ext. 5608

Products: M-Glass® Exterior Sheathing Panels
M-Glass® Shaft Line Panels

SECTION 2	HAZARD IDENTIFICATION
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Emergency Overview: This product is not expected to produce any unusual hazards during normal use by the OSHA Hazard Communication Standard (29CFR 1910.1200), but exposure to high levels of dust from sawing, sanding or machining may irritate the skin, eyes, nose, throat, or upper respiratory tract. This product contains quartz (crystalline silica) as a naturally occurring contaminant. This SDS contains valuable information critical to the safe handling and proper use of the product, and should be retained and available for employees and other users of this product.

Potential Health Effects: Acute (See Section 8 for exposure controls)

Inhalation: Interaction with dust created during the handling or use of this product may cause short term irritation to eyes, nose, throat, skin, and upper respiratory tract. Those exposed to large amounts of dust may need to remove themselves from the area due to the annoyance of coughing, sneezing and or nasal aggravation. Difficulty in breathing may happen after a disproportionate amount of exposure. Consult a physician if respiratory symptoms continue.

Eyes: Dust may cause temporary irritation of eyes. Consult physician if redness, burning, pain or other symptoms develop.

Ingestion: Do not ingest this product.

Skin: Contact with fiberglass particles may cause skin irritation.
(See Section 11 - Toxicological Information)

SECTION 3	COMPOSITION / INFORMATION ON INGREDIENTS
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<u>MATERIAL</u>	<u>WT%</u>	<u>CAS Number</u>
Gypsum (Calcium Sulfate)	80-100	10101-41-4
Continuous filament glass fiber	<5	65944-17-3
Crystalline Silica	0-0.5	14808-60-7
Proprietary Additives	N/A	N/A

SECTION 4	FIRST AID MEASURES
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Inhalation:	Move exposed individual to fresh air immediately. If breathing difficulty persists, seek medical attention. Obtain medical advice if coughing and or other symptoms persist.
Skin:	Wash with mild soap and flush with lukewarm water for 5 minutes. If irritation persists, obtain medical advice.
Eyes:	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.
Ingestion:	Gypsum is non-toxic with no detrimental effects expected if small amounts are ingested. Obtain medical attention if gastric discomfort occurs.

SECTION 5	FIRE FIGHTING MEASURES
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Flammable properties:	The gypsum core is non-flammable or combustible.
Extinguishing media:	Dry chemical, foam, water or any other appropriate smothering media.
Protection of firefighters:	Typical protective equipment and safeguards shall be used.
Hazardous combustion products:	At 2642°F (1450°C) material may decay into calcium oxide and oxides of sulfur.
Protective equipment and precautions for firefighters:	As with any fire, vacate the area affected and combat from a safe distance.
NFPA Hazard Class:	
Health:	1
Flammability:	0
Instability:	0

SECTION 6	ACCIDENTAL RELEASE MEASURES
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- Flammable properties: Wear suitable personal protective paraphernalia (See Section 8).
- Methods for clean-up: Place, sweep or vacuum material into suitable waste containers for disposal. Use a light spray of water to diminish dust generation.
- Waste materials: Dispose of in accordance with local, state, provincial and federal guidelines, and do not discharge large releases directly into sewers or surface waters.

SECTION 7	HANDLING AND STORAGE
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- Handling: Avoid creating, coming in contact with and inhalation of dust from this product. Wear the suitable respiratory protection in poorly ventilated areas to avoid ingestion of dust. Wear protective glasses and gloves. Utilize proper lifting techniques when moving gypsum wallboard panels as they are heavy and can be awkward, posing the risk of back injury.
- Storage: Store product flat, and protect from physical damage. Store product in a cool, dry and ventilated area away from sources of heat and safeguard from weather and prevent exposure to sustained moisture. (See Section 13 for disposal considerations).

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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- Exposure Guidelines: Refer to local authorities for allowable exposure limits.

<u>MATERIAL</u>	<u>ACGIH TLV (mg/m³)</u>	<u>OSHA PEL (mg/m³)</u>
Gypsum or Calcium Sulfate	10 (T)	15 (T) 5 (R)
Glass Fiber	1 f/cc (R)	15 (T) 5 (R)
Crystalline Silica	0.025 (R)	0.1 (R)
Proprietary Additives	N/A	N/A

- T – Total Dust
R – Respirable Dust
f/cc – Fiber Per Cubic Centimeter
N/A – Not Applicable

Engineering Controls

- Work/Hygiene Practices: It is recommended that the “score and snap” method of cutting gypsum wallboard be followed as sawing, drilling, machining, etc. will produce dust.

- Ventilation: Standard ventilation is normally adequate for installation of product in its original form. During cutting, sanding operations, monitor dust concentrations in air and maintain a level below the PEL/TLV. Employ wet methods, when appropriate, to diminish generation of dust.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)
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Personal Protection

Eye/Face Protection: Safety glasses or goggles are recommended.

Skin Protection: Gloves, protective clothing and or a barrier cream may be used if the situation warrant.

Respiratory Protection: A NIOSH/MSHA approved particulate respirator is encouraged in poorly ventilated areas or if the PEL/TLV is surpassed. OSHA's 29 CFR 1910.134 (Respiratory Protection Standard) must be followed whenever workplace conditions warrant a respirator's use. If engineering controls are not possible, wear a properly fitted NIOSH/MSHA approved particulate respirator.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Glass mat faced gypsum wallboard with a white to gray core
Auto-ignition temperature:	Not applicable
Boiling point:	Not applicable
Bulk Density:	~ 55 lb/ft ³
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 ₄ .2H ₂ 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

SECTION 10	STABILITY AND REACTIVITY
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Chemical Stability: Stable

Conditions to Avoid: Interaction with strong acids might result in generation of carbon dioxide.

Incompatibility: None

Hazardous decomposition: Gypsum may decompose to form calcium oxide (CaO) and sulfur dioxide (SO₂) if product is exposed to temperatures above 2642°F (1450°C).

Hazardous polymerization: None known

SECTION 11	TOXICOLOGICAL INFORMATION
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Chronic Effects: (Carcinogenicity) Once installed and correctly maintained gypsum wallboard panels do not discharge respirable dust, and consequently don't present any known health hazards. 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. The development of silicosis may increase the risks of supplementary health effects. Smoking in combination with silica exposures escalates the risk of cancer. The danger of developing silicosis is reliant on the exposure extent and strength. 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 Effects: The acute oral toxicity study (OECD TG 420) of calcium sulfate dihydrate disclosed that this substance didn't 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.

Invivo and Invitro studies for mutagenicity and Reproduction and Developmental Toxicity Screening Tests were negative.

SECTION 12	ECOLOGICAL INFORMATION
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Environmental Toxicity: 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.

Ecotoxicity value: Not applicable

SECTION 13	DISPOSAL CONSIDERATIONS
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Waste Disposal Method: Recycle if possible, but always dispose of material in accordance with federal, state, and local regulations. Never release material directly into sewers or surface waters.

Store material for disposal as indicated in Section 7 of this document.

SECTION 14	TRANSPORT INFORMATION
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U.S. DOT Information: This product is not a DOT hazardous material. Not classified or regulated.

Shipping Name: Same as product name.

ICAO/IATA/IMO: Not applicable

SECTION 15	REGULATORY INFORMATION
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TSCA: All ingredients are included on the TSCA inventory.

Federal Regulations:

SARA Title III

Sec. 302/304: Not listed

Sec. 311/312: Not listed

Sec. 313: Not listed

CERCLA: Not listed

State Regulations:

California Prop 65: Respirable crystalline silica is recognized by the State of California to cause cancer. Industrial hygiene monitoring during recommended use of this product failed to find any respirable crystalline silica.

Canadian WHMIS : All components of this product are included in the Canadian Domestic Substances List (DSL).

SECTION 16	OTHER INFORMATION
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Revision date: March 26, 2015

Supersedes: December 9, 2014

Manufacture's Disclaimer: The information and recommendations contained in this document are based on data believed to be correct, though no guarantee or warranty of any kind is conveyed or inferred with respect to the material included herein. It is the user's responsibility to satisfy oneself as to the appropriateness and inclusiveness of this information for his/her own specific use. This Safety Data Sheet was prepared to conform to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

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