



# MATERIAL SAFETY DATA SHEET

## FIREBLOC® CP GYPSUM LAY-IN CEILING PANEL

### SECTION I PRODUCT IDENTIFICATION

**Chemical Family:** Gypsum (Calcium Sulfate Dihydrate  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ )

**DATE PREPARED:**

August 6, 2010

**MANUFACTURE NAME AND CONTACT INFORMATION:**

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**PRODUCT:**

FIREBLOC® CP GYPSUM LAY-IN CEILING PANEL

**DESCRIPTION:**

FireBloc CP Gypsum Lay-In Ceiling Panel consist of a non-combustible UL classified 1/2” FireBloc Type C gypsum core encased in 100% recycled paper, with a 2-mil. washable, highly light reflective, white stipple vinyl that is laminated to the face of the panel.

### SECTION II HAZARDOUS INGREDIENTS

<u>MATERIAL</u>	<u>WT%</u>	<u>TLV (mg/m<sup>3</sup>)</u>	<u>PEL (mg/m<sup>3</sup>)</u>	<u>CAS Number</u>
Gypsum (Calcium Sulfate)	80-100	10	15(T)/5(R)	13397-24-5
Paper (Cellulose)	1-10	10	15(T)/5(R)	9004-34-6
Starch	0-1	10	15(T)/5(R)	9005-25-8
Boric Acid	0-1	NE	NE	10043-35-3
Potassium Sulfate	0-1	NE	NE	7778-80-5
Vermiculite	0-1	5	15(T)/5(R)	01318-00-9
Glass Fiber	0-1	NE	NE	65944-17-3
Crystalline Silica	0-0.5	0.1(R)	0.1(R)	14808-60-7
Polyester	0-1	NE	NE	N/A

(T) - Total      (R) – Respirable      (NE) - Not Established

Contains No Asbestos. HMIS Hazard Class Number 1, 0, 0.

### SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

#### PHYSICAL DATA

- **Boiling Point** - Not Applicable
- **Specific Gravity** - Not Applicable
- **Vapor Pressure** (MM OF Mercury) - Not Applicable
- **Vapor Density** (Air = 1) - Not Applicable
- **Evaporation Rate** - Not Applicable
- **Solubility in H<sub>2</sub>O** 2.1 g/L @ 20°C
- **Appearance** – Vinyl, paper faced gypsum boards white in color
- **Odor** - None
- **Volatile organic compounds (VOC) content:** None
- **Ph:** ~7

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

- **Flash point** - Not Applicable
- **Lower Explosion Limit** - Not Applicable
- **Upper Explosion Limit** - Not Applicable
- **Auto Ignition Temperature** - Not Combustible
- **Extinguishing Media** - Not Combustible
- **Special Fire Fighting Procedures** - None. Although, gypsum panels pose no fire related hazards, a self-contained breathing apparatus is recommended to limit exposure to combustion when fighting any fire.
- **Hazardous combustion products** - None
- **Unusual fire and explosion hazards** - None

### SECTION V REACTIVITY DATA

- **Stability** - Product is stable.
- **Conditions to Avoid** - High relative humidity will cause panels to deteriorate.
- **Incompatible Materials and Conditions to Avoid** - Reaction with strong acids will generate carbon dioxide.
- **Hazardous Polymerization** - Does not occur
- **Hazardous Decomposition** - Above 1450° F could produce SO<sub>2</sub> and CaO.

### SECTION VI HEALTH HAZARD DATA

American Gypsum wallboard panels do not present an inhalation, ingestion or contact health hazard. It is not recommended that sawing, sanding, grinding, or machining be performed on the product. Scoring and snapping method is recommended to avoid creating dust. If sawing is absolutely necessary, dust collection systems, vacuuming, and the utilization of side shield safety glasses, NIOSH approved respirator, etc., may be necessary. Inhalation of dust generated from sawing and sanding could irritate nasal and throat tissues.

## SECTION VI HEALTH HAZARD DATA (continued)

### Potential Health Effects:

- **Primary Routes of Entry:** Inhalation, Dermal contact
- **Eye contact:** With airborne dust may cause irritation to the eye.
- **Skin contact:** May cause dryness, itching and irritation.
- **Ingestion:** No known adverse effects. May result in obstruction or temporary irritation of the digestive tract.
- **Inhalation:** Dust from cutting or sawing may cause irritation of nose, throat, or lungs. Prolonged inhalation of the dust may cause lung disease such as silicosis. Gypsum panels may contain small amounts of free crystalline silica. Prolonged exposure to respirable free crystalline silica may aggravate other lung conditions and may cause lung disease. (See “Carcinogenic Potential” below).  
Exposures to respirable crystalline silica have not been documented during normal use of this product. However, good housekeeping practices and industrial hygiene monitoring is recommended when the potential for significant exposure exists.
- **Carcinogenic Potential:** Gypsum panels are not listed as a carcinogen by NTP, OSHA, or IARC. They may, however, contain trace amounts of substance listed as carcinogens by these organizations.
- **Crystalline Silica:** A potential trace level contaminant in gypsum panels is now classified by **IARC** as a known human carcinogen (Group 1). NTP has characterized respirable silica as “Reasonably anticipated to be a carcinogen”.
- **California Proposition 65:** Crystalline silica (CAS #14808-60-7) is considered to be a carcinogen by the state of California.

### First Aid

- **Eyes:** Remove contact lenses. Flush eyes thoroughly with water, including under eyelids to remove all particles. Seek medical attention..
- **Skin:** Wash affected skin gently with soap and water.
- **Inhalation of airborne dust:** Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.
- **Ingestion:** Gypsum is non-hazardous and no harmful effects are expected upon ingestion of small amounts. Larger amounts may cause abdominal discomfort or possible obstruction of the digestive tract. Seek medical attention if problems persist.

## SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

- **General** - Keep material dry. Stack or store all panels flat. Panels are heavy and can fall over, causing serious injury or death. Use proper lifting methods and equipment. Do not move unless authorized.
- **Storage Temperature** - Should not be stored or used where temperatures exceed 125 F for extended periods or in areas of high humidity.
- **Precautions and safe handling** - Safety glasses should be worn when handling and installing the product. Gloves or protective clothing are usually not necessary but may be desirable in certain situations. Scoring and snapping is the method to be used when cutting the panels in order to reduce the potential for the creation of dust.
- **Waste disposal** – Not a hazardous material Dispose of in accordance with local, state, and federal regulations.

- **Transportation Data** - Gypsum panels are not hazardous under U.S. Department of Transportation (DOT) Regulations.

## SECTION VIII CONTROL MEASURES

- **Ventilation** - Use local exhaust to control exposure within applicable limits.
- **Skin Protection** - Gloves or protective clothing are usually not necessary but may be desirable in certain situations.
- **Eye Protection** - Wear safety glasses with side shields or goggles. Do not wear contact lenses in dusty environments.
- **Respiratory Protection** - Not required for normal handling and use of product. However, the wearing of NIOSH approved breathing protection may be necessary for exposure to dust generated from snapping, sawing, or remanufacturing this product.

## SECTION IX REGULATORY INFORMATION

- **OSHA Hazard Communication Rule, 29 CFR 1910.1200** - This product is considered by OSHA to be a hazardous chemical and should be included in the employer's hazard communication program.
- **CERCLA/SUPERFUND, 40 CFR 302** - Not listed.
- **SARA TITLE III, Sections 311-312 Hazard Category** - This product contains substances classified as a delayed (chronic) health hazard according to the EPA Hazard Categories promulgated under the Superfund Amendment and Reauthorization Act of 1986.
- **SARA Section 313 Information** - This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
- **Toxic Substance Control Act (TSCA)** - This product complies with the TSCA Inventory requirements.
- **California Proposition 65** - Respirable crystalline silica is known to the state of California to cause cancer. Industrial hygiene monitoring during recommended use of this product failed to identify any respirable crystalline silica.
- **Canada WHMIS** - All components of this product are included in the Canadian Domestic Substances List (DSL). Crystalline silica: WHMIS Classification D2A.

**Note** – American Gypsum Company believes the information contained in this MSDS to be accurate at the time of publication and has been compiled using sources believed to be reliable. However American Gypsum Company makes no warrant, either expressed or implied concerning the accuracy or completeness of the information presented. It is the responsibility of the user to comply with local, state, or federal regulations concerning use of this product. It is the further responsibility of the buyer to research and understand safe methods of use, storage, handling and disposal of this product.