

Effective Date: 01/01/04
 Supersedes Date: 7/28/00

***** Section 1 – Chemical Product and Company Identification *****

Product Name: FIREGUARD® Gypsum Boards
Product Code: See Product Lists found in Section 16 (Page 7 of 8)
Product Use: Non-combustible gypsum boards used in wall, floor and ceiling applications; can be used in fire-related assemblies.

Manufacturer Information

G-P Gypsum Corporation A wholly owned subsidiary of Georgia-Pacific Corporation 133 Peachtree Street, N.E. Atlanta, GA 30303 (770) 987-5190 (Technical Information) (404) 652-5119 (MSDS Request Line)	Georgia-Pacific Canada, Inc. A wholly owned subsidiary of Georgia-Pacific Corporation Allanburg Road Thorold Ontario L2V 3ZB, Canada EMERGENCY #: 1-800-434-9300 (CHEMTREC)
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***** Section 2 – Composition / Information on Ingredients *****

CAS #	Component	Percent	OSHA PEL	ACGIH TLV
****Product Lists A&B at end of MSDS contain the following:				
7778-18-9	Gypsum (calcium sulfate)	75 - 95%	15 mg/m ³ Total Dust 5 mg/m ³ Respirable Dust	10 mg/m ³ Total Dust
65997-17-3	Fiberglass Continuous Filament (nonrespirable)	<0.5	15 mg/m ³ Total Dust	10 mg/m ³ Total Dust
****Product Lists A&B at end of MSDS contain the following:				
1318-00-9	Vermiculite	<6	15 mg/m ³ Total Dust 5 mg/m ³ Respirable Dust	5 mg/m ³ Respirable Dust

Gypsum contains naturally occurring crystalline silica (quartz). Due to its natural occurrence, the exact percentage of crystalline silica is unknown. Both OSHA PEL and ACGIH TLV are 0.1 mg/m³ for respirable quartz dust.

Exposure limits are in accord with those recommended by OSHA in the 1989 revision of PELs.

***** Section 3 – Hazards Identification *****

Emergency Overview

CAUTION! Cutting, sanding or otherwise working with this product may generate large amounts of dust. Dust may cause respiratory tract, eye and skin irritation. This product also contains naturally occurring crystalline silica (quartz), which is listed as a lung carcinogen.

Description:

Gypsum boards of various colors.

Potential Health Effects:

This product contains naturally occurring crystalline silica (quartz) and continuous filament glass fibers. Respirable crystalline silica is listed as a lung carcinogen by the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP). The continuous filament is considered nonrespirable.

Potential Health Effects: Inhalation

Dust can cause irritation to the respiratory tract. Good housekeeping practices are recommended.

Potential Health Effects: Eyes

Dust can cause mechanical eye irritation. Good housekeeping practices are recommended.

Potential Health Effects: Skin

Handling can cause dry skin. Dust and glass fibers may produce itching, rash and redness.

Potential Health Effects: Ingestion

Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4

***** Section 4 – First Aid Measures *****

First Aid: Inhalation

Remove to fresh air immediately. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.

First Aid: Skin

Wash affected areas gently with soap and water. Rubbing or scratching may force fibers into skin. If irritation persists, get medical attention. Launder contaminated clothing before reuse or dispose of properly.

First Aid: Eyes

Immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush eyes with water for at least 15 minutes. If irritation persists, get medical attention.

First Aid: Ingestion

Ingestion may result in obstruction and/or irritation to the digestive tract. Get medical attention, if needed.

***** Section 5 – Fire Fighting Measures *****

Flash Point:

Not applicable.

Flammable Limits:

This product is fire resistant and has the following surface burning characteristics as reported by nationally recognized laboratories: Flame Spread 0-25 and Smoke Development 0.

Hazardous Combustion Products:

None.

Autoignition Temperature:

Not applicable.

Extinguishing Media

Not applicable.

***** Section 6 – Accidental Release Measures *****

Not applicable for product in purchased form. Pick up large pieces. To prevent obstruction, do not wash down drain. Sweep or vacuum material into a waste container for disposal. If needed, use water spray to wet down and minimize dust generation. Wear approved respirator, if necessary.

***** Section 7 - Handling and Storage *****

Handling Procedures

Avoid contact with eyes, skin and clothing. Always test air prior to entry to ensure atmosphere is below the permissible exposure limit.

Storage Procedures

Store level and keep dry. Dew point or other conditions causing the presence of moisture can damage the product during storage.

***** Section 8 – Exposure Controls / Personal Protection *****

Exposure Guidelines

Exposure limits can be found in Section 2: Composition/Information on Ingredients.

Engineering Controls

Provide local and general exhaust ventilation to keep airborne concentrations below exposure limits. Use wet methods, if appropriate, to reduce generation of dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

(PPE RECOMMENDATIONS BELOW: IT MAY BE NECESSARY TO FOLLOW PPE REQUIREMENTS AS DETERMINED BY YOUR WORKPLACE)

Personal Protective Equipment: Eyes/Face

Wear eye goggles or safety glasses for nuisance dust. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 and 133) for eye and face protection.

Personal Protective Equipment: Skin

Protective gloves recommended to prevent drying or irritation of hands. Ensure compliance with OSHA's PPE standards 29 CFR 1910.132 (general) and 138 (hand protection).

Personal Protective Equipment: Respiratory

Wear NIOSH approved respirator when permissible exposure limit to dust may be exceeded.

Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

***** Section 9 – Physical & Chemical Properties *****

Appearance:	Gypsum boards of various colors.	Odor:	Low odor.
Physical State:	Solid.	PH:	7
Vapor Pressure:	Not applicable.	Vapor Density:	Not applicable.
Boiling Point:	Not applicable.	Melting Point:	Not applicable.
Solubility (H₂O)	<0.2% @ 22°C	Specific Gravity:	2.5

***** Section 10 – Chemical Stability & Reactivity Information *****

Chemical Stability

Stable.

Chemical Stability: Conditions to Avoid

Reaction with strong acids will generate carbon dioxide.

Incompatibility

None.

Hazardous Polymerization

Will not occur.

***** Section 11 – Toxicological Information *****

Crystalline Silica:

Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen.

Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Continuous Filament Glass Fibers:

In 1987, IARC classified continuous filament fiber glass as a Group 3 substance, “not classifiable as to its carcinogenicity to humans.” In 2001, IARC re-affirmed this designation. Continuous filament fibers are not considered respirable due to their large diameter.

***** Section 12 – Ecological Information *****

A: Environmental Fate

No Information Found

B. Environmental Toxicity – Aquatic Toxicity

No Information Found

***** Section 13 – Disposal Considerations *****

US EPA Waste Number & Descriptions

A: General Product Information

This product if discarded as supplied is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. If processing use or contamination alters the material the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

Not Applicable

Disposal Instructions

Dispose of as inert solid in landfill. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

***** Section 14 – Transportation Information *****

This material is not a DOT hazardous material.

***** Section 15 – Regulatory Information *****

US Federal Regulations

A: General Product Information

Dust and potential respirable crystalline silica generated from cutting, sanding or otherwise machining this product may be hazardous.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4):

OSHA: Dust and potential respirable crystalline silica generated from mixing, sanding or otherwise using this product may be hazardous.

TSCA: This product complies with TSCA inventory requirements.

SARA 313: None.

RCRA: If discarded in its purchased form, this product would not be a hazardous waste. Under RCRA, however, it is the responsibility of the product user to determine at the time of disposal whether a material containing this product or derived from this product should be classified as a hazardous waste.

State Regulations

California Prop 65:

Airborne particles of respirable size crystalline silica are known to the State of California to cause cancer. Worker exposure testing conducted by Georgia-Pacific on various industrial gypsum products did not demonstrate an exposure to respirable crystalline silica.

CANADA WHMIS:

This product is not a controlled product.

***** Section 16 - Other Information *****

MSDS REVISION SUMMARY:

Effective Date Change: 01/01/04 Supercedes: 7/28/00
Format Changes: ANSI Z400.1 (MSDS 16-Section Format)
Section 16: Updates to Product Lists (A & B)

Product List A for MSDS 71B:

FIREGUARD® MOISTURE-GUARD®
FIREGUARD® Treated Core Sheathing
FIREGUARD® Gypsum Board
FIREGUARD® Veneer Plaster Board
FIREGUARD® Backer
FIREGUARD® Soffit Board
FIREGUARD® Nontreated Core Sheathing
FIREGUARD® Abuse Resistant Wallboard

Product List B for MSDS 71B:

FIREGUARD® C, Type 5
FIREGUARD® C, Veneer Base, Type C
FIREGUARD® C, Backer, Type C
FIREGUARD® C, Type C
FIREGUARD® C, Nontreated Core Sheathing, Type C

Other Information

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Georgia-Pacific and its subsidiaries make no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Georgia-Pacific and its subsidiaries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

Key/Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
C	Ceiling Limit
CAS	Chemical Abstract Services Number
CFR	Code of Federal Regulations
DOT	Department of Transportation
DSL	Domestic Substance List
EPA	Environmental Protection Agency
HEPA	High Efficiency Particulate Air
HMIS	Hazardous Material Identification System
IARC	International Agency for Research on Cancer
NA	Not Available or Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NJTSSR	New Jersey Trade Secret Registry
NSL	Non-Domestic Substance List
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PPE	Personal Protective Equipment
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
WHIMS	Workplace Hazardous Materials Information System

This is the end of
71B FIREGUARD® GYPSUM BOARDS