


SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Group:	Gypsum Core Board Products	
Product Use:	Gypsum panels and decorative molding for interior and exterior applications.	
Chemical Family:	Gypsum, Calcium sulphate dihydrate a naturally occurring mineral. Analyses of gypsum samples demonstrate that the concentration of crystalline silica as quartz is less than 0.025% (wt/wt %). This product contains no asbestos.	
Manufacturer:	CertainTeed Gypsum, Inc. 4300 W. Cypress St., Suite 500 Tampa, FL 33607 USA Web Site: www.certainteed.com	CertainTeed Gypsum Canada, Inc. 2424 Lakeshore Road West, Mississauga, Ontario, Canada L5J 1K4 Web Site: www.certainteed.com
Phone Number:	Professional: 800-233-8990 Consumer: 800-782-8777	Professional: 800-233-8990 Consumer: 800-782-8777
Product Names:	US Product Line: Regular 54" Regular Type X 54" Type X Type C Moisture Resistant Moisture Resistant Type X Sheathing Treated Core Sheathing Treated Core Type X Abuse Resistant Type C Abuse Resistant Type X Interior Ceiling Veneer Plaster Base Veneer Plaster Base Type C Veneer Plaster Base Type X 1/4" Flex Shaftliner Type X Exterior Soffit Exterior Soffit Type C Exterior Soffit Type X Evenwall 54" Evenwall Evenwall Type X 54" Evenwall Type X Moisture and Mold Resistant with M2Tech Moisture and Mold Resistant Shaftliner Type X with M2Tech Extra Abuse Type X with M2Tech AirRenew AirRenew Type X AirRenew Extreme Abuse AirRenew Extreme Impact SilentFX SilentFX Type X Easi-Lite Lightweight Gypsum Board	Canadian Product Line: Regular 54" Regular Type X 54" Type X Type C Moisture Resistant Moisture Resistant Type X Sheathing Treated Core Sheathing Treated Core Type X Abuse Resistant Type C Abuse Resistant Type X Interior Ceiling Veneer Plaster Base Veneer Plaster Base Type X 1/4" Flex Shaftliner Type X Steps Cove and Cornice Moisture and Mould Resistant with M2Tech Moisture and Mold Resistant Shaftliner Type X with M2Tech Extra Abuse Type X with M2Tech AirRenew AirRenew Type X AirRenew Extreme Abuse AirRenew Extreme Impact SilentFX SilentFX Type X Easi-Lite Lightweight Gypsum Board
24-hour Emergency Number:	In case of an emergency call Team-1 Environmental Services Inc. 1-800-32 SPILL; 1-800-327-7455 (24 hrs)	

Section 2: Hazards Identification

NFPA (USA)	WHMIS (Canada)	Transport Symbol
	Not Controlled	Not Regulated for Transport

Emergency Overview:

CertainTeed Gypsum board and decorative molding products do not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sawing, sanding or machining which result in the generation of airborne particulate.

Appearance, Colour and Odor: Solid composite article. Gypsum core boards or decorative molding covered with various colored paper finished surfaces.

USA: This product is not a hazardous material as defined by 29 CFR1910.1200, OSHA Hazard Communication Standard. This product meets the definition of an "article".

Canada: This is not a controlled product under WHMIS.

While this product is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Potential Health Effects

ACUTE (short term): see Section 8 for exposure controls

Relevant Route(s) of Exposure:

Inhalation, Skin contact, Eye contact

Inhalation: High concentrations of dust from cutting, sawing, sanding or machining, may cause coughing and mild, temporary irritation following a short-term exposure. Long-term inhalation exposure to dusts can have respiratory effects (see Chronic health effects below).

Ingestion: Avoid ingesting this product. Ingestion may cause gastrointestinal problems.

Skin: May cause irritation as an abrasive on the skin. AirRenew Extreme Impact product contains Fiberglass which can be irritating to the skin and cause a skin rash.

Eye: Direct contact with the eyes may cause temporary irritation as a foreign object in the eye.

CHRONIC (long term): see Section 11 for additional toxicological data

Heavy prolonged industrial exposure to high airborne concentrations of dust may cause impaired lung function. Chronic bronchitis and respiratory tract lesions have also been reported with high level inhaled dust exposures.

Medical Conditions Aggravated by Exposure:

Skin contact may aggravate an existing dermatitis.

Interactions With Other Chemicals:

Tobacco smoking in combination with long-term high dust exposures may increase both smoking and dust-related pulmonary health problems.

Potential Environmental Effects:

No adverse effects known.

Section 3: Composition / Information on Ingredients

Hazardous Ingredients:

Chemical Name	CAS No.	Wt.%
Calcium sulfate	10101-41-4	95 - 100
Cellulose (paper fiber)	9004-34-6	1 - 5
Silica fume	69012-64-2	0.5 - 1.2
AirRenew Extreme Impact product only:		
Fiberglass Mat	65997-17-3	1 - 2

Section 4: First Aid Measures

- Inhalation:** If high airborne concentrations of gypsum dust are present, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). If symptoms develop, remove source of contamination or move victim to fresh air. Obtain medical advice.
- Eye Contact:** Do not allow victim to rub eyes. Let the eyes water naturally for a few minutes. Have victim look right and left, and then up and down. If particle/dust does not dislodge, flush with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelids open. If irritation persists, immediately obtain medical attention. DO NOT attempt to manually remove anything stuck to the eye.
- Skin Contact:** No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.
- Ingestion:** If irritation or discomfort occurs, obtain medical attention immediately.

Section 5: Fire Fighting Measures

- Flammable Properties:** Gypsum core is non-flammable and does not support combustion.
- Suitable extinguishing Media:** Use water or other extinguishing media appropriate for the surrounding fire.
- Unsuitable extinguishing Media:** Not available
- Explosion Data**
- Sensitivity to Mechanical Impact:** Not sensitive
- Sensitivity to Static Discharge:** Not sensitive
- Specific Hazards arising from the Chemical:** Calcium sulfate may decompose into calcium oxide and oxides of sulfur at about 1450°C (2642°F). Combustion of the product may produce carbon dioxide and carbon monoxide.
- Protective Equipment and precautions for firefighters:** As for any fire, evacuate the area and fight the fire from a safe distance. Wear a pressure-demand, self-contained breathing apparatus and full protective gear. Fight fire from a protected location or a safe distance.
- NFPA**
- | | |
|----------------------|---|
| Health: | 1 |
| Flammability: | 0 |
| Instability: | 0 |

Section 6: Accidental Release Measures

- Personal Precautions:** Wear proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Prevent material from contaminating soil and from entering sewers or waterways.
- Methods for Containment:** No special methods required.
- Methods for Clean-up:** Scoop or shovel spilled material into an appropriate waste container for disposal. Collect all spilled material for proper disposal. Dispose in accordance with federal, state and local regulations.
- Other Information:** Not available

Section 7: Handling and Storage

- Handling:** Avoid creating and breathing dust from this product. Avoid contact with eyes, skin and clothing. Minimize dust generation and accumulation. Wear protective glasses and gloves. If exposure limits are exceeded wear appropriate respiratory protection. (See Section 8)
- Storage:** KEEP OUT OF REACH OF CHILDREN. Store product flat. Protect from water and moisture. See Section 13 for disposal considerations.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Consult local authorities for acceptable exposure limits.

<u>Ingredient</u>	<u>ACGIH TLV (8-hr. TWA) (mg/m³)</u>	<u>U.S. OSHA PEL (8-hr. TWA) (mg/m³)</u>	<u>Ontario (Canada) TWAEV (mg/m³)</u>
Calcium sulfate (anhydrous)	10 (inhalable)	15 (total dust); 5 (respirable)	Not established
Cellulose (paper fiber)	10	15 (total dust); 5 (respirable fraction)	Not established
Silica	Not established	80 mg/m ³ / %SiO ₂ (total dust)	10 (Total dust)
Particles Not Otherwise Specified	10 (inhalable particles); 3 (respirable)	15 (total dust); 5 (respirable fraction)	10 (inhalable particles); 3 (respirable)
AirRenew Extreme Impact product only:			
Fiberglass Mat – Synthetic Vitreous Fibers	5 (inhalable) 1 f/cc (respirable fibres)	15 (total dust); 5 (respirable fraction)	5 (inhalable) 1 f/cc (Respirable fibres: length > 5µm; aspect ratio ≥3:1)

*mppcf: Million particles per cubic foot of air.

Exposure Controls

Engineering Controls: General ventilation is adequate for application of product in its original form. During cutting, sanding operations, monitor dust concentrations in air and provide local exhaust ventilation when any exposure guideline is exceeded.

Personal Protection

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Wear protective gloves as needed to prevent irritation to the skin. Wear protective gloves when handling AirRenew Extreme Impact product to prevent skin irritation from fiberglass.

Respiratory Protection: When dust concentrations in air exceed the occupational exposure guidelines, always take the following precautions:

- Wear a NIOSH approved dust mask.
- Maintain adequate ventilation and air circulation.
- Warn others in the area.
- Use a NIOSH approved respirator when dust levels exceed any of the exposure guidelines listed in the table above.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or Canadian Standards Association (CSA) Standard Z94.4-93 must be followed whenever workplace conditions warrant a respirator's use.

General Hygiene Measures: Launder contaminated clothing before re-wearing, or discard. Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

Section 9: Physical and Chemical Properties

Physical State:	Solid	Flash Point & method:	Not applicable, not combustible
Appearance, Colour and Odour:	Gypsum core boards or panels covered with various colored surfaces of paper. Odorless.	Autoignition Temperature:	Not applicable
Odour Threshold:	Not applicable	Flammability Limits in Air:	Not applicable
pH:	7 – 9 (in aqueous slurry)	Vapour Pressure:	Not available
Specific Gravity (water = 1):	2.30-2.37	Vapour Density (Air = 1):	Not available
Partition coefficient: (n-octanol/water)	Not available	Evaporation Rate: (n-Butyl Acetate = 1)	Not available
Solubility:	0.2% (approximate)	Boiling Point/Range:	Not applicable
Viscosity:	Not available	Melting Point:	Not applicable
Decomposition Temperature:	1450°C (2642°F)		

Section 10: Stability and Reactivity

Chemical Stability:	Stable.
Conditions to Avoid:	Not available
Incompatible Materials:	Gypsum is a stable, unreactive material under normal workplace conditions. Hazardous reactions may occur with some highly reactive materials or at high temperatures.
Hazardous Decomposition Products:	Gypsum may decompose to form calcium oxide (CaO) and sulfur dioxide (SO ₂) if product is exposed to extreme heat 1450°C (2642°F). Thermal decomposition products may include organic acids, aldehydes, carbon monoxide and carbon dioxide.
Possibility of Hazardous Reactions:	None known

Section 11: Toxicological Information

Acute Toxicity Data

Acute Toxicology data are not available for this article. Toxicology data are available for the following components:

	<u>LD₅₀ Oral</u> (mg/kg)	<u>LD₅₀ Dermal</u> (mg/kg)	<u>LC₅₀ Inhalation</u> (4 hrs.)
Calcium sulfate	>2 000 (rat)	Not available	Not available
Cellulose (paper fiber)	>2 000 (rat)	Not available	>5 800 (rat)

Chronic Toxicity Data

Carcinogenicity: The following components have been categorized for carcinogenicity:

	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Silica fume	Not listed	Group 3	Not listed
AirRenew Extreme Impact product only:			
Fiberglass Mat	A4	Group 3	Not listed

ACGIH: (American Conference of Governmental Industrial Hygienists)

A4: Not Classifiable as a Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3: The agent is not classifiable as to its carcinogenicity in humans.

NTP: (National Toxicology Program)

Section 11: Toxicological Information, continued

Irritation:	Inhaling high concentrations of dust, during installation of product, may cause coughing and mild, temporary irritation. Dust from this product is irritating to the eyes as a foreign object. Contact with dust from this product may be irritating to the skin.
Corrosivity:	Not applicable
Sensitization:	Not applicable
Neurological Effects:	Not applicable
Genetic Effects:	Not applicable
Reproductive Effects:	Not applicable
Developmental Effects:	Not applicable
Target Organ Effects:	Lungs.

Section 12: Ecological Information

Ecotoxicity:	Not applicable
Persistence/Degradability:	Not available
Bioaccumulation/Accumulation:	Not applicable
Mobility:	Not available

Section 13: Disposal Considerations

Waste Disposal Method:	Do NOT dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.
United States:	Dispose of in accordance with local, state and federal laws and regulations. RCRA Waste Codes: Not applicable
Canada:	Dispose of in accordance with local, provincial and federal laws and regulations.

Section 14: Transport Information:

U.S. Hazardous Materials Regulation (DOT 49CFR):	Not regulated for transport
Canadian Transportation of Dangerous Goods (TDG):	Not regulated for transport
ADR/RID:	Not regulated for transport
IMDG:	Not regulated for transport
Marine Pollutants:	Not applicable
ICAO/IATA:	Not regulated for transport

Section 15: Regulatory Information

USA

TSCA Status: All ingredients in the product are listed on the TSCA inventory.

SARA Title III

Sec. 302/304: None

Sec. 311/312: None

Sec. 313: None

CERCLA RQ: None

California Prop 65: This product may contain a substance known to the State of California to cause cancer.

Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

WHMIS Status: Not controlled

NSNR: Product contains a substance on the NDSL. All other substances in this product are listed on Canada's Domestic Substances List (DSL).

NPRI: There are no NPRI reportable substances in this product.

Section 16: Other Information

Revision date: December 13, 2011

Revision summary: January 25, 2007: Section 1, New Manufacturer name and contact information; new SDS format.
November 20, 2007: Section 1, Addition to US and Canadian Product lines; Reviewed all sections.
February 26, 2008: Section 1, Addition of product Moisture and Mold Resistant with M2Tech™; Section 5, 10, products of combustion and decomposition.
July 8, 2008: Section 1, Product name ProRoc® Cove and Cornice.
March 9, 2009: Section 1, Product name ProRoc® Moisture and Mold Resistant Shaftliner Type X with M2Tech™
August 28, 2009: Section 1, Product name ProRoc® Moisture and Mold Resistant Extra Abuse Type X with M2Tech™
November 11, 2010: Product names AirRenew™; AirRenew™ Type X; SilentFX™; SilentFX™ TypeX
May 18, 2011: Product names: Easi-Lite™ Lightweight Gypsum Board
December 13, 2011: Section 1, Revised product names: AirRenew Extreme; added component Fiberglass.

Manufacturer's Disclaimer: Information listed is believed to be accurate but not warranted or guaranteed.

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