

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Names: Diamondback™ Tile Backer
Diamondback™ Tile Backer Type X

Product Use: Interior tile backer used in the construction of buildings.

Chemical Family: Calcium sulfate (gypsum) core with embedded fiberglass mats and a protective coating on one face. 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.

Supplier: 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

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 Transportation

Emergency Overview: CertainTeed Diamondback™ Tile Backer 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, Color and Odor: Solid composite article. Boards with white core and one gray surface, odorless.

USA: While this product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR1910.1200), 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.

Canada: While this product is not regulated under WHMIS, 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: Component substances are not acutely toxic. Swallowing particulates may cause gastrointestinal problems.

Skin: Dusts of this product may cause irritation.

Section 2: Hazards Identification, continued

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, pulmonary fibrosis 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:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>
Calcium sulfate	10101-41-4	89-96
Fiberglass Mat	65997-17-3	1-2

Note: See Section 8 of this MSDS for exposure limit data for these ingredients.

Section 4: First Aid Measures

Inhalation: If high airborne concentrations of 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 and fiberglass mat facers are non-flammable and do not support combustion. Testing in accordance with ASTM E 136 proved that Diamondback™ Tile Backer Type X is noncombustible and offers superior fire performance. It achieves a class A fire rating when tested per ASTM E 84 for surface burning characteristics. Diamondback™ Tile Backer Type X is UL Classified for Fire resistance for use in fire rated designs.

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: If involved in a fire, calcium sulfate may decompose into corrosive calcium oxide and oxides of sulfur at about 1450°C (2642°F). Combustion of the product is expected to produce carbon dioxide, carbon monoxide, irritating, and potentially toxic, fumes and dense black smoke.

Section 5: Fire Fighting Measures, continued

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

<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	10 (inhalable fraction)	15 (total dust); 5 (respirable fraction)	10
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)
Particles Not Otherwise Specified	10 (inhalable particles); 3 (respirable)	15 (total dust); 5 (respirable fraction)	10 (inhalable particles); 3 (respirable)

Section 8: Exposure Controls/Personal Protection, continued

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 to prevent irritation to the skin.

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 Z94.4-02 must be followed whenever workplace conditions warrant a respirator's use.

Other Protective Equipment: Not applicable

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 – Product is not combustible
Appearance, Color and Odor:	Boards with white core and one gray surface, odorless	Autoignition Temperature:	Not applicable
Odor Threshold:	Not applicable	Flammability Limits in Air:	Not applicable
pH:	7 – 9 (in aqueous slurry)	Vapor Pressure:	Not available
Specific Gravity: (water = 1)	2.30-2.37	Vapor 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 carbon monoxide, carbon dioxide, and dense black smoke.
Possibility of Hazardous Reactions:	None known

Section 11: Toxicological Information

Acute Toxicity Data

	<u>LD₅₀ Oral</u> (mg/kg)	<u>LD₅₀ Dermal</u> (mg/kg)	<u>LC₅₀ Inhalation</u> (4 hrs.)
Calcium sulfate	Not available	Not available	Not available
Fiberglass Mat	Not available	Not available	Not available

Chronic Toxicity Data

Carcinogenicity:

The table below indicates whether each agency has listed any ingredient as a carcinogen.

	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Calcium sulfate	Not listed	Not listed	Not listed
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)

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 can 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 transportation
- Canadian Transportation of Dangerous Goods (TDG):** Not regulated for transportation
- ADR/RID:** Not regulated for transportation
- IMDG:** Not regulated for transportation
- Marine Pollutants:** Not applicable
- ICAO/IATA:** Not regulated for transportation

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
(for workplace exposures)
- New Substance Notification Regulations:** All substances in this product are listed on Canada's Domestic Substances List (DSL).
- National Pollutant Release Inventory:** There are no NPRI reportable substances in this product.

Section 16: Other Information

- Revision date:** November 2, 2010
- Manufacturer's Disclaimer:** Information listed is believed to be accurate but not warranted or guaranteed.
- Prepared by:** LEHDER Environmental Services Limited 519-336-4101
www.lehder.com
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