

MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Group:	Finishing Products, Powdered Setting Compounds	
Product Use:	Chemical Setting Drywall Finish	
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:	<u>US Product Line:</u> ProFin® LITE Sand 5 ProFin® LITE Sand 20 ProFin® LITE Sand 45 ProFin® LITE Sand 90 ProFin® LITE Sand 210 ProFin® LITE Sand 300+	<u>Canadian Product Line:</u> ProFin® LITE Sand 5 ProFin® LITE Sand 20 ProFin® LITE Sand 45 ProFin® LITE Sand 90 ProFin® LITE Sand 210 ProFin® LITE Sand 300+ ProFin® High Density 20 ProFin® High Density 45 ProFin® High Density 90 ProFin® Plaster of Paris Westroc 20 Westroc 45 Westroc 90 Quickset 45 Quickset 90
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
		<p>Not Regulated for Transportation</p>

Section 2: Hazards Identification, continued

Emergency Overview: CertainTeed Finishing Products, Powdered Setting Compounds do not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sanding or machining which result in the generation of airborne particulate.

Appearance, Colour and Odour: Powder, white to light grey, odourless.

USA: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Canada: This product is a controlled product under WHMIS.

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 sanding or machining, may cause coughing and mild, temporary irritation following a short-term exposure. Long-term inhalation exposure to crystalline silica can have potentially serious respiratory effects (see Chronic health effects below).

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

Skin: Prolonged or repeated contact may cause irritation.

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

Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. The risk of developing and the severity of silicosis depends on the airborne concentration of respirable-size silica dust to which an employee is exposed and the duration of exposure. Silicosis usually develops gradually over 20 years or more of exposure. Particles with diameters less than 1 micrometer are considered most hazardous. The amount of respirable silica generated from sanding operations will vary.

The early symptoms of silicosis are cough, mucous production and shortness of breath upon exertion. Silicosis may continue to develop even after exposure to crystalline silica has stopped.

The International Agency for Research on Cancer (IARC) has concluded that crystalline silica in the form of quartz from occupational sources should be classified as carcinogenic to humans (Group 1).

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. Simultaneous exposure to known carcinogens can increase the carcinogenicity of crystalline silica.

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	7778-18-9	60 - 100
Limestone	1317-65-3	10 - 30
Mica	12001-26-2	3 - 7
Crystalline silica (Quartz)**	14808-60-7	1 - 5**

** Total Crystalline silica, as quartz.

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

Section 4: First Aid Measures

Inhalation:	If high airborne concentrations 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.
Notes to Physician:	Jurisdictions which have specific regulations for crystalline silica also require medical surveillance programs. Medical surveillance programs may include periodic physical examinations, chest X-rays and pulmonary function tests. Since there may be some variation in these requirements, specific information should be sought from the appropriate government agency in each jurisdiction.

Section 5: Fire Fighting Measures

Flammable Properties:	Product 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 carbonate may decompose into corrosive calcium oxide and carbon dioxide at about 825°C (1517°F).
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. Wet sand when possible. 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 in its original container. Keep from freezing and extreme heat. Keep container closed when not in use. 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)	15 (total dust) 5 (respirable)	10 (total dust)
Limestone	10	15 (total dust) 5 (respirable fraction)	10
Mica	3 (respirable)	20 mppcf* (less than 1% crystalline silica)	3 (respirable)
Crystalline silica (Quartz)	0.025 (respirable)	quartz (total dust): 30 mg/m ³ / (%SiO ₂ + 2) quartz (respirable): 10 mg/m ³ / (%SiO ₂ + 2)	0.05 (respirable) Designated Substance in Ontario

*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 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. During sanding operations wear protective goggles.

Skin Protection: Wear protective gloves when necessary to prevent irritation to the skin.

Respiratory Protection: During sanding operations and 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.

NIOSH recommendations for Crystalline silica (respirable dust); concentrations in air:

UP TO 0.5 mg/m³: Air-purifying respirator with high-efficiency particulate filter(s).

UP TO 1.25 mg/m³: Powered air-purifying respirator with high-efficiency particulate filter; or SAR operated in a continuous-flow mode.

UP TO 2.5 mg/m³: Full-facepiece air-purifying respirator with high-efficiency particulate filter(s); or powered air-purifying respirator with tight-fitting facepiece and high-efficiency particulate filter.

UP TO 25 mg/m³: Positive pressure SAR.

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.

Section 8: Exposure Controls/Personal Protection, continued

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, Colour and Odour:	Powder, white to light grey, odourless.	Autoignition Temperature:	Not applicable
Odour Threshold:	Not available	Flammability Limits in Air:	Not applicable
pH:	7 – 9 (aqueous slurry)	Vapour Pressure:	Not available
Specific Gravity: (water = 1)	0.6 – 1.0	Vapour Density: (Air = 1)	Not available
Partition coefficient: (n-octanol/water)	Not available	Evaporation Rate: (n-Butyl Acetate = 1)	Not available
Solubility:	Slightly soluble in water	Boiling Point/Range:	Not applicable
Viscosity:	Not available	Melting Point:	Not applicable
Decomposition Temperature:	825°C (1517°F)		

Section 10: Stability and Reactivity

Chemical Stability: Stable. When water is added to product, heat will be generated.

Conditions to Avoid: Not available

Incompatible Materials: May react with strong acids to liberate carbon dioxide.

Hazardous Decomposition Products: Calcium oxide may form if product is exposed to extreme heat 825°C (1517°F).

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
Limestone	6 450 (rat)	Not available	Not available
Mica	Not available	Not available	Not available
Crystalline silica (Quartz)	Not available	Not available	Not available

Section 11: Toxicological Information, continued

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
Limestone	Not listed	Not listed	Not listed
Mica	Not listed	Not listed	Not listed
Crystalline silica (Quartz)	A2	Group 1	Known

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2: Suspected human carcinogen

IARC: (International Agency for Research on Cancer)

Group 1: The agent is carcinogenic to humans

NTP: (National Toxicity Program)

Known – Known to be a human carcinogen

Irritation:	Inhaling high concentrations of dust may cause coughing and mild, temporary irritation. Irritating to the eyes as a foreign object. 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
Other Adverse Effects:	Not applicable
Target Organ Effects:	Lungs and eyes.

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

Section 15: Regulatory Information

<u>USA</u>	TSCA Status: All ingredients in the product are listed on the TSCA inventory.
	SARA Title III
	Sec. 302/304: None
	Sec. 311/312: Chronic
	Sec. 313: None
	CERCLA RQ: None
	California Prop 65: This product may contain a substance known to the State of California to cause cancer [Crystalline silica – airborne particles of respirable size].
<u>Canada</u>	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations</i> and the MSDS contains all the information required by the <i>Controlled Products Regulations</i> .
	WHMIS Classification: D2A – Material Causing Other Toxic Effects– Due to possibility of inhaling Crystalline silica during sanding operations.
	(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 NRPI reportable substances in this product.

Section 16: Other Information

Prepared by:	LEHDER Environmental Services Limited 704 Mara Street, Suite 210 Pt. Edward, ON N7V 1X4 www.lehder.com
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