

Safety Data Sheet



Stock Number: 846482PM
Revision Date: None
Replaces: None

POWERBOND THINSET GRAY

1. Identification

Product identifier used on the label: POWERBOND THINSET GRAY

Other means of identification:

PRODUCT DESCRIPTION: Cement

Recommended use of the chemical and restrictions on use:

Recommended use: Adhesive

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: H.B. Fuller Construction Products Inc.
1105 S. Frontenac Street
Aurora, IL 60504

Phone: 1-800-552-6225

E-mail address:

Emergency phone number: Medical Emergency Phone Number (24 Hours): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification:

Serious Eye Damage/Eye Irritation Category 1
Skin Sensitisation Category 1
Carcinogenicity Category 1A
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1
Skin Corrosion/Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

Signal Word:

Danger

Hazard Statements:

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. May cause cancer. Causes damage to organs through

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Prevention: prolonged or repeated exposure. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash [<1>] thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If on skin: Wash with plenty of water[/<1>] IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Specific treatment (see [<1>]on this label). If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container to [<1>]

3. Composition/information on ingredients

Chemical Name	CAS #	concentration %	Note
Portland cement	65997-15-1	30 - 50	* (see below)
Calcium oxide, CaO	1305-78-8	1 - 5	* (see below)
Crystalline silica	14808-60-7	50 - 70	* (see below)

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin

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and eye contact, and ingestion:

- Inhalation:** Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
- Ingestion:** Severely irritating. Do not induce vomiting. Seek medical attention immediately. Drink 2 glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use water spray, foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical:

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Aluminum oxide, Sulfur containing gases

Special protective equipment and precautions for fire-fighters:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.

Methods and materials for containment and cleaning up:

Avoid creating dusts. Eliminate ignition sources. If a vacuum is used, ensure that the material is wetted or otherwise treated so an explosive dust atmosphere is not created within the vacuum.

7. Handling and storage

Precautions for safe handling: Avoid contacting and avoid breathing the material. Use only in a well

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ventilated area. Avoid breathing material.

This product contains an ingredient that may release formaldehyde at heated cure temperatures.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Store in a cool, dry place.

Materials to Avoid/Chemical Incompatibility: Not established

Consult the Technical Data Sheet for specific storage instructions.

8. Exposure controls/personal protection

US EPA Occupational Exposure Limit

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
Crystalline silica	* (see below)	0.025 mg/m ³ TWA (respirable particulate matter) Not established	<u>((250)/(%SiO₂ + 5) mppcf TWA (respirable));</u> <u>((10)/(%SiO₂ + 2) mg/m³ TWA (respirable));</u> <u>((30)/(%SiO₂ + 2) mg/m³ TWA (total dust))</u>
Portland cement	* (see below)	1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter) Not established	<u>15 mg/m³ TWA (total dust);</u> <u>5 mg/m³ TWA (respirable fraction)</u>
Aluminum oxide	* (see below)	No data available. Not established	<u>15 mg/m³ TWA (total dust);</u> <u>5 mg/m³ TWA (respirable fraction)</u>
Calcium carbonate	* (see below)	No data available. Not established	<u>15 mg/m³ TWA (total dust);</u> <u>5 mg/m³ TWA (respirable fraction)</u>
Calcium sulfate	* (see below)	10 mg/m ³ TWA (inhalable particulate matter) Not established	<u>15 mg/m³ TWA (total dust);</u> <u>5 mg/m³ TWA (respirable fraction)</u>
Calcium oxide, CaO	* (see below)	2 mg/m ³ TWA Not established	<u>5 mg/m³ TWA</u>
Magnesium Oxide	* (see below)	10 mg/m ³ TWA (inhalable particulate matter) Not established	<u>15 mg/m³ TWA (total particulate) (as fume)</u>

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Iron oxide	* (see below)	5 mg/m ³ TWA (respirable particulate matter) Not established	<u>10 mg/m³ TWA (as fume)</u>
Inorganic Filler	* (see below)	3 mg/m ³ TWA (respirable particulate matter) Not established	<u>Not established</u>
Iron oxide	No data available.	No data available. Not established	<u>10 mg/m³ TWA (as fume)</u>

Appropriate engineering controls: Use local exhaust ventilation or other engineering controls to minimize exposures.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s): NIOSH approved air purifying respirator with dust/mist filter.

Eye protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin protection: Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

Gloves: Nitrile

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state: Solid
Color: Gray
Odor: Odorless
Odor Threshold: Not established
pH: Not established
Melting point/freezing point (°C):
Initial boiling point and boiling range (°C): Not established
Flash Point (°C): Non flammable

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Evaporation Rate:	Not established
Flammability (solid, gas):	Not a flammable solid or gas
Upper/lower flammability or explosive limits:	
Vapor pressure:	Not established
Vapor density:	Not established
Relative density:	1.34
Solubility(ies):	Not determined
WEIGHT PER GALLON (lbs):	11.2
SOLIDS (% by weight):	100
Volatiles by weight:	0

10. Stability and reactivity

Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Will not occur.
Incompatible materials:	Not established
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, Aluminum oxide, Sulfur containing gases

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Target Organs Potentially Affected by Exposure: Lungs

Medical Conditions Aggravated by Exposure: Lung disease

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Irritation: Severely irritating to mouth, throat, and stomach. Ingestion is not an anticipated route of exposure. Harmful if swallowed.

Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Inhalation Irritation: Can cause moderate respiratory irritation. Dust may be slightly irritating to the respiratory tract.

Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Other possible symptoms include coughing or wheezing.

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Nasal perforation is possible from a single large or repeated smaller inhalation overexposures.

- Eye Contact:** Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible. Can cause moderate irritation, tearing and reddening.
- Skin Contact:** Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
- Sensitization:** May cause an allergic skin reaction.
- Mutagenicity:** No data available.
- Reproductive and Developmental Toxicity:** No data available.
- Carcinogenicity:** Contains a material that may cause cancer. (This product contains crystalline silica, which is an IARC Category 1 carcinogen. As provided, and during normal use of this product, the crystalline silica is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.)
- STOT-single exposure:** No data available.
- STOT-repeated exposure:** Causes damage to organs through prolonged or repeated exposure.
- Aspiration hazard:** Not an aspiration hazard.

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
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12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No ecological information available for this product.

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Ecological Toxicity Data:

This product has not been tested for ecological effects. Relevant information for components is listed below:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
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Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

14. Transport information

Consult Bill of Lading for transportation information.

Carriage of dangerous goods by road (DOT), rail or inland waterways:

International carriage of dangerous goods by sea (IMDG/IMO):

International carriage of dangerous goods by air (IATA):

UN Proper shipping name: NOT REGULATED

15. Regulatory information

INVENTORY STATUS

U.S. TSCA Inventory: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

CANADA DSL: The components of this product are included on the DSL or are exempt from DSL requirements.

EU REACH: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH

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requirements are met.

AUSTRALIA AICS: This product contains a component that is not on the Australian Inventory (AICS).

If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at reg.request@hbfuller.com to request an export review.

FEDERAL REPORTING

EPA SARA Title III Section 313:

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS #	concentration %
	1344-28-1	5 - 10

STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name	CAS #	concentration %
Quartz (Carcinogen)	14808-60-7	50 - 70
Titanium dioxide (Carcinogen)	13463-67-7	0.1 - 1
Chromium VI (Carcinogen)	Not applicable	< 10 ppm

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Nickel	(Carcinogen)	Not applicable	< 10 ppm
Lead compounds	(Carcinogen)	Not applicable	< 10 ppm
Cadmium compounds	(Carcinogen)	Not applicable	< 10 ppm
Acetaldehyde	(Carcinogen)	75-07-0	< 10 ppm
Methanol	(Developmental toxin)	67-56-1	0.001 - 0.01

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC's at 0.1% or greater, as of the version date of this SDS.

16. Other information, including date of preparation or last revision.

SDS Prepared by:

Revision Date: None

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Revision Number: 1

Reason for revision:

Prepared by: The Global Regulatory Department Phone: 651-236-5842

Disclaimer:

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B. Fuller Construction Products, Inc. from its suppliers, and because H.B. Fuller Construction Products, Inc. has no control over the conditions of handling and use, H.B. Fuller Construction Products, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B. Fuller Construction Products, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Construction

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Products, Inc. products to comply with all applicable federal, state and local laws and regulations.