

Safety Data Sheet



Stock Number: 846481PM
Revision Date: None
Replaces: None

POWERBOND THINSET WHITE

1. Identification

Product identifier used on the label: POWERBOND THINSET WHITE

Other means of identification:

PRODUCT DESCRIPTION: Cement

Recommended use of the chemical and restrictions on use:

Recommended use: Adhesive

Restrictions on use: Uses Other than Relevant Use

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
Hazardous to the aquatic environment - Acute 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

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eye damage. May cause respiratory irritation. May cause cancer. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life.

Precautionary Statements:

Prevention:

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. Wash 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. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

If on skin: Wash with plenty of water 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. Specific treatment (see Sections 4 to 8 on this SDS and any additional information 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.

Storage:

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

Disposal:

Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Hazards not otherwise classified: None known

3. Composition/information on ingredients

Chemical Name	CAS #	concentration %	Note
Crystalline silica Crystalline silica:CAS:14808-60-7	14808-60-7	50 - 70	* (see below)
Portland cement Portland cement:CAS:65997-15-1	65997-15-1	10 - 30	* (see below)
Calcium oxide, CaO Calcium oxide, CaO:CAS:1305-78-8	1305-78-8	1 - 5	* (see below)

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Iron oxide: CAS:1309-37-1	1309-37-1	0.5 - 1.5	* (see below)
Feldspar group minerals: CAS:68476-25-5	68476-25-5	0.5 - 1.5	No data available.
Sodium hydroxide: CAS:1310-73-2	1310-73-2	0.00001- 0.0001	No data available.
Formaldehyde: CAS:50-00-0	50-00-0	0.00001- 0.0001	No data available.

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 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.
Most important symptoms/effects, acute and delayed:	Causes skin irritation May cause an allergic skin reaction Causes serious eye damage May cause respiratory irritation Causes damage to organs through prolonged or repeated exposure
Indication of immediate medical attention and special treatment needed, if necessary:	If exposed or concerned: Get medical advice/ attention. Immediately call a poison center or doctor/physician. Call a poison center/doctor if you feel unwell.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

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

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Unsuitable extinguishing media: None known

Specific hazards arising from the chemical:

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Aluminum oxide

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 ventilated area. Avoid breathing vapors/fumes of heated product. Prevent contact with molten product.

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.

Special Sensitivity: Not applicable

Materials to Avoid/Chemical Incompatibility: Not established

Consult the Technical Data Sheet for specific storage instructions.

8. Exposure controls/personal protection

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US EPA Occupational Exposure Limit

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
No data available.			

- 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
- Other protective equipment:** Wear appropriate protective footwear when moving containers.
- General hygiene conditions:** Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

- Appearance (physical state, color etc.):**
- Physical state:** Solid
- Color:** White
- Odor:** Odorless
- Odor Threshold:** Not applicable
- pH:** Not established

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Melting point/freezing point (°C):

Melting Point (°C): Not established

Freezing point (°C): No data available.

Initial boiling point and boiling range (°C): Not established

Flash Point (°C): Non flammable

Flash Point Method: Not established

Evaporation Rate: Not established

Flammability (solid, gas): Not a flammable solid or gas

Upper/lower flammability or explosive limits:

Upper flammability or explosive limits: Not established

Lower flammability or explosive limits: Not established

Vapor pressure: Not established

Vapor density: Not established

Relative density: 1.34

Solubility(ies): Not determined

Partition coefficient: n-octanol/water: Not established

Auto-ignition temperature (°C): No data available.

Decomposition temperature (°C): No data available.

Viscosity: Not established

WEIGHT PER GALLON (lbs): 11.2

SOLIDS (% by weight): 100

Volatiles by weight: 0

Molecular formula: Not established

10. Stability and reactivity

Reactivity: No data available.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Will not occur.

Conditions to avoid (e.g., static discharge, shock, or vibration): None known.

Incompatible materials: Not established

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Hazardous decomposition products: Carbon monoxide, carbon dioxide, Aluminum oxide

11. Toxicological information

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

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): No data available.

Target Organs Potentially Affected by Exposure: Lungs

Medical Conditions Aggravated by Exposure: Lung disease

Symptoms related to the physical, chemical and toxicological characteristics: No data available.

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.

Ingestion Toxicity: None known

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.

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

Inhalation Toxicity: Overexposure to crystalline silica may cause silicosis. Overexposure to iron oxide dust/fume may cause siderosis.

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.

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Chronic effects: None known.

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.

Other information: No data available.

Hazards specific to product use: None known

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
No data available.			

Is the hazardous chemical is 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
There are no components that are known or reported to cause cancer			

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
Iron oxide: CAS:1309-37-1	1309-37-1	Not established	Not established	LC50 96 h Danio rerio 100000 mg/L

Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects (such as hazardous to the ozone layer): None known

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:

UN number: No data available.
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group, if applicable: Not applicable
DOT Basic description: No data available.

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

UN number: No data available.
UN Proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group, if applicable: Not applicable

International carriage of dangerous goods by air (IATA):

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UN number:	No data available.
UN Proper shipping name:	NOT REGULATED
Transport hazard class(es):	Not applicable
Packing group, if applicable:	Not applicable
Environmental hazards (e.g., Marine pollutant (Yes/No)):	No
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	No data available.
Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:	Consult IMO regulations before transporting in bulk by ocean.

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 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

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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 %
Chromium VI (Carcinogen)	Not applicable	0.01 - 0.1
Nickel (Carcinogen)	Not applicable	0.01 - 0.1
Lead compounds (Carcinogen)	Not applicable	0.01 - 0.1

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

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(OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Revision Number: 1

Reason for revision:

Other Info:

The information is considered correct, but is not exhaustive and will be used only as guidance, which is based on the current knowledge of the chemical or mixture and is applicable to the precautions of appropriate security for the product.

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