

# SAFETY DATA SHEET

**SDS IDENTIFICATION NAME:** V-Wrap FPS (Fire Proofing System)

**DATE:** 10/11/2016

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## SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

**MANUFACTURER:**  
STRUCTURAL TECHNOLOGIES, LLC  
10150 Old Columbia Road  
Columbia, MD 21046

**EMERGENCY TELEPHONE NUMBER:**  
1-800-424-9300  
**INFORMATION TELEPHONE NUMBER:**  
1-410-859-6539

**CHEMICAL FAMILY:** Portland Cement Coating

**CHEMICAL FORMULA:** Blend of Vermiculite, Cement, Gypsum, and Fibers

## SECTION II: HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:**

**APPEARANCE AND ODOR:**

Cement-like grey powder. Looks like powdered insulation.

**STATEMENTS OF HAZARD:**

**CAUTION! MAY CAUSE RESPIRATORY TRACT IRRITATION. CAUSES EYE AND SKIN IRRITATION, HARMFUL OR IF SWALLOWED, PROLONGED EXPOSURE TO SKIN MAY CAUSE IRRITATION OR RASH. MAY CAUSE LUNG INJURY IF SWALLOWED AND ASPIRATED.**

**PRIMARY ROUTES OF EXPOSURE:**

EYES--YES    SKIN CONTACT--YES    INHALATION--YES    INGESTION--NO

**HMIS RATING:**

HEALTH--1    FLAMMABILITY--0    REACTIVITY--0    SPECIAL--NONE

**PICTOGRAM:**



**SIGNAL WORD: WARNING**

**POTENTIAL HEALTH EFFECTS:**

**EYES:** Causes eye irritation.

**SKIN:** Prolonged exposure may cause skin irritation or rash. Irritant to skin and mucous membranes.

**INHALATION:** Causes respiratory tract irritation. Prolonged exposure may cause risk of lung disease.

**INGESTION:** Unlikely route of exposure. If ingested, causes gastrointestinal irritation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Preexisting eye, skin, and respiratory conditions may be aggravated by exposure.

**SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS**

| MATERIAL OR COMPONENT    | CAS NUMBER  | % BY WEIGHT | OSHA(PEL)  | ACGIH(TLV)   |
|--------------------------|-------------|-------------|--|--|
| Vermiculite              | 001318-00-9 | 35-38       | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (Respirable) | 10 mg/m <sup>3</sup> (total)<br>3 mg/m <sup>3</sup> (Respirable) |
| Portland Cement          | 65997-15-1  | 32-38       | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (Respirable) | 10 mg/m <sup>3</sup>   |
| Gypsum (Calcium Sulfate) | 7778-18-9   | 17-20       | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (Respirable) | Not determined   |
| Calcium Carbonate        | 1317-65-3   | 3-6         | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (Respirable) | Not determined   |
| Silicate Wool            | 436083-99-7 | 3-4         | None Established   | None Established   |
| Cellulose and additives  | 9004-34-6   | >2          | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (Respirable) | 10 mg/m <sup>3</sup> (total)                                     |

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200) in addition; other substances not Hazardous per this OSHA Standard may be listed.

**SECTION IV: FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

**EYES:** Flush eyes with plenty of water for several minutes. If irritation persists get medical attention.

**SKIN CONTACT:** Wash skin with soap or mild detergent and water. Remove chemical soaked clothing.

**INHALATION:** Leave area to breath fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**INGESTION:** Rinse mouth. Do not induce vomiting unless advised by a physician.

**SECTION V: FIRE FIGHTING MEASURES**

**FLASH POINT/METHOD OF DETERMINATION:** None

**MEANS OF EXTINCTION:** This product is not expected to ignite under normal conditions of use.

**FLAMMABLE LIMITS L F L , U F L :** None

**SPECIAL FIRE-FIGHTING EQUIPMENT:** None

**FIRE AND EXPLOSION HAZARD:** This product is not expected to ignite under normal conditions of use.

**SPECIAL FIRE HAZARDS:** None.

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

**PROCEDURES IN CASE OF ACCIDENTAL RELEASE OF LEAKAGE:** Sweep up spilled material into appropriate receptacles. Minimize formation of airborne dust. Wear protective equipment, respiratory/face protection, rubber gloves, and protective clothing.

**SECTION VII: HANDLING AND STORAGE**

**RECOMMENDED STORAGE CONDITIONS:** Store in cool, dry conditions in well-sealed containers.

**HANDLING CONDITIONS:** Always use the required personal protective equipment when handling. Keep containers closed when not in use. Precautions also apply to emptied containers. Use product only with adequate ventilation.

**SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EYE/FACE PROTECTION:** Avoid eye and skin contact. Wear chemical safety glasses or goggles. In some applications face shields may be necessary. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

**SKIN PROTECTION:** Protective clothing such as uniforms, coveralls or lab coats must be worn. Launder or dry-clean when soiled. Gloves, resistant to chemicals are required.

**RESPIRATORY PROTECTION:** If dust is generated, use a NIOSH approved respirator. Minimize airborne dust generation. Avoid prolonged exposure to dust.

**VENTILATION:** Local exhaust ventilation recommended sufficient to control the dust being generated. If exhaust ventilation is not available or is inadequate, use MSHA or NIOSH approved respirator, as appropriate.

**OTHER PROTECTIVE EQUIPMENT:** For operations where contact can occur, coveralls, apron, and rubber foot coverings are recommended. A safety eye wash facility should be available.

**GENERAL HYGIENE RECOMMENDATIONS:** Before eating, drinking, smoking or using toilet facilities, wash face and hands thoroughly with soap and water. Remove any contaminated clothing and launder before reuse. Properly dispose of shoes and clothing that are extremely contaminated. Use vacuum equipment to remove dust from clothing and work areas. Compressed air is not recommended.

**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

|                                      |                     |
|--------------------------------------|---------------------|
| <b>APPEARANCE AND ODOR:</b>          | Grey powder mixture |
| <b>DENSITY (lbs/ft<sup>3</sup>):</b> | 21-24               |
| <b>BOILING POINT (° F/° C):</b>      | Not applicable      |
| <b>MELTING POINT (° F/° C):</b>      | Not applicable      |
| <b>SPECIFIC GRAVITY (WATER = 1):</b> | Not applicable      |
| <b>pH OF UNDILUTED PRODUCT:</b>      | Not available       |
| <b>VAPOR PRESSURE (mm Hg.):</b>      | Not applicable      |
| <b>VAPOR DENSITY (AIR-1):</b>        | Not applicable      |
| <b>VISCOSITY:</b>                    | Not applicable      |
| <b>PERCENT (%) VOC:</b>              | Not applicable      |
| <b>SOLUBILITY IN WATER:</b>          | Slight              |

**SECTION X: STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal handling and storage conditions.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY CONDITIONS TO AVOID:** Cutting or welding may generate sulfur dioxide. Remove cured fireproofing prior to this type of work.

**INCOMPATIBLE MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Excessive heat may release sulfur dioxide as decomposition product.

**SECTION XI: TOXICOLOGICAL INFORMATION**

No data available

**SECTION XII: ECOLOGICAL INFORMATION**

No data available

**SECTION XIII: DISPOSAL CONSIDERATIONS**

**ACTION TO TAKE FOR SPILLS/LEAKS:** Prevent inhalation of dust, ingestion, and contact with skin, eyes, and clothing. Wear protective gear during clean up. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated, and above freezing warehouse location.

**WASTE DISPOSAL METHODS:** It is the responsibility of the generator to comply with all federal, state, provincial and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the US Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

**SECTION XIV: TRANSPORTATION INFORMATION**

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

**SECTION XV: REGULATORY INFORMATION****FEDERAL EPA****SARA Title III:****Section 311/312 Hazards:** Acute health hazard / Chronic health hazard.**Section 313 Components:** None present or none present in regulated quantities.**TSCA- Inventory status:** All components are all listed or exempt from the TSCA inventory.**CERCLA:** Not listed**FHSA:** Hazardous substance**U.S. STATE REGULATIONS****Massachusetts:** Hazardous substance listed**New York:** Hazardous substance listed**New Jersey:** Hazardous substance listed**Pennsylvania:** Hazardous substance listed**California Proposition 65:** WARNING! Contains substances known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

**SECTION XVI: OTHER INFORMATION**

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**SPECIAL PRECAUTIONS:** Empty containers will retain some of the product residue. When handling or disposing of them, follow all label warnings, other instructions and waste disposal procedures.

**EXPLANATION AND DISCLAIMER:** Wherever such words or phrases as "hazardous," "toxic," "carcinogen," appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. **ANY EXPOSURE CAN ONLY BE UNDERSTOOD WITHIN THE ENTIRE CONTEXT OF ITS OCCURRENCE, WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE MSDS, AMOUNT AND DURATION OF EXPOSURE, OTHER CHEMICALS PRESENT AND PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.**

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