SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

PRODUCT INFORMATION

PRODUCT: WOODPERFECT
PRODUCT DESCRIPTION: Reactive adhesive
INTENDED USE: Adhesive
PRODUCT IDENTIFIER: 840665PM

COMPANY INFORMATION

H.B. Fuller Construction Products Inc.
1105 S. Frontenac Street
Aurora, IL 60504
Phone: 1-800-552-6225

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

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Symbols:

GHS Signal Word: Danger
GHS Classification: Serious Eye Damage/Eye Irritation Category 1; Skin Sensitisation Category 1
GHS Hazard Phrases: May cause an allergic skin reaction.; Causes serious eye damage.
GHS Precautions:
First Aid Measures: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>PERCENT</th>
<th>Classification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland cement</td>
<td>65997-15-1</td>
<td>5 - 10</td>
<td>Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335</td>
<td>* (see below)</td>
</tr>
<tr>
<td>Organosilane</td>
<td>2768-02-7</td>
<td>1 - 5</td>
<td>Acute Tox. 4; H332 Eye Dam. 1; H318 Flam. Liq. 3; H226</td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

*This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

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.

SECTION 4: FIRST AID MEASURES

IF IN EYES: 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.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

IF INHALED: Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

IF SWALLOWED: 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.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers. Material will burn in a fire.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: 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 FOR CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

This product contains an ingredient that may react with water or humidity to release methanol (67-56-1). The TWA for methanol is 200 ppm.

Storage: Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Note</th>
<th>ACGIH EXPOSURE LIMITS</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>*(see below)</td>
<td>No data available.</td>
<td>15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)</td>
</tr>
<tr>
<td>Portland cement</td>
<td>*(see below)</td>
<td>1 mg/m³ TWA (particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction)</td>
<td>15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td></td>
<td>1 ppm TWA</td>
<td>Not established</td>
</tr>
</tbody>
</table>

*This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

ENGINEERING CONTROL METHODS:

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

**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. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

**GLOVES:**
Nitrile

**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. NIOSH approved air purifying respirator with organic vapor cartridge and dust/mist filter. Respirators should be selected by and used following requirements found in OSHA’s respirator standard (29 CFR 1910.134).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:**
Semi-solid

**COLOR:**
Off-white

**ODOR:**
Sweet Mild

**ODOR THRESHOLD:**
Not established

**pH:**
Not established

**FREEZING/MELTING POINT (deg. C):**
Not established

**BOILING POINT (deg. C):**
Not established

**FLASH POINT:**
Not applicable

**EVAPORATION RATE:**
Not established

**FLAMMABILITY:**
Not a flammable solid or gas

**UPPER EXPLOSIVE LIMIT (% in air):**
Not established
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOWER EXPLOSIVE LIMIT (% in air)</td>
<td>Not established</td>
</tr>
<tr>
<td>VAPOR PRESSURE (mm Hg)</td>
<td>Not established</td>
</tr>
<tr>
<td>VAPOR DENSITY</td>
<td>Not established</td>
</tr>
<tr>
<td>WEIGHT PER GALLON (lbs.)</td>
<td>9.70</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.140</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Not established</td>
</tr>
<tr>
<td>OCTANOL/WATER COEFFICIENT</td>
<td>Not established</td>
</tr>
<tr>
<td>AUTOIGNITION TEMPERATURE</td>
<td>Not established</td>
</tr>
<tr>
<td>DECOMPOSITION TEMPERATURE</td>
<td>Not established</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>No data available.</td>
</tr>
<tr>
<td>SOLIDS (% by weight)</td>
<td>98.0</td>
</tr>
<tr>
<td>VOC, weight percent</td>
<td>2.00</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABILITY</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>CHEMICAL INCOMPATIBILITY</td>
<td>Water</td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION PRODUCTS</td>
<td>Carbon monoxide, carbon dioxide</td>
</tr>
</tbody>
</table>

SECTION 11: TOXICOLOGICAL INFORMATION

<p>| Component Toxicity / Toxicology Data:         |</p>
<table>
<thead>
<tr>
<th>COMPONENT NAME</th>
<th>LD50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available.</td>
<td></td>
</tr>
</tbody>
</table>

This product is a mixture. Unless noted, the information below is based on components.

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

Serious eye damage / irritation: Can cause moderate irritation, tearing and reddening.

Respiratory / skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity-single exposure: No data available.

     Respiratory irritation / Narcotic effects: May cause respiratory irritation.

Specific target organ toxicity-repeated exposure: No data available.

Target organs potentially affected by exposure: No organs known to be damaged from exposure to this product.

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: No medical conditions affected by exposure.

SECTION 12: ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERVIEW</td>
<td>No ecological information available for this product.</td>
</tr>
<tr>
<td>MOBILITY</td>
<td>No data available.</td>
</tr>
<tr>
<td>PERSISTENCE</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
BIOACCUMULATION:  No data available.

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

<table>
<thead>
<tr>
<th>Component:</th>
<th>Ecotoxicity values:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available.</td>
<td>Acute Toxicity (Fish); Acute Toxicity (Daphnia); Acute Toxicity (Algae);</td>
</tr>
</tbody>
</table>

SECTION 13: DISPOSAL CONSIDERATIONS
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. Disposal via incineration at an approved facility is recommended as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORT INFORMATION
Consult Bill of Lading for transportation information.

US DOT:  NOT REGULATED
IATA:  NOT REGULATED

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS
U.S. EPA TSCA:  This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
CANADIAN CEPA DSL:  This product contains one or more components which have not been determined to be on the DSL. If you are the importer of this product into Canada, contact H.B. Fuller for chemical tracking and notification information.
EUROPEAN 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
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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
</table>

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/List | CAS | Percent |
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>0.001 - 0.01</td>
</tr>
<tr>
<td>Furan</td>
<td>110-00-9</td>
<td>&lt; 10 ppm</td>
</tr>
<tr>
<td>Propylene oxide</td>
<td>75-56-9</td>
<td>&lt; 10 ppm</td>
</tr>
<tr>
<td>Acetaldehyde</td>
<td>75-07-0</td>
<td>&lt; 10 ppm</td>
</tr>
<tr>
<td>Cobalt</td>
<td></td>
<td>&lt; 10 ppm</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

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.

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 01-06-2016

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).

HMIS RATING: HEALTH -- 2 FLAMMABILITY -- 1 REACTIVITY -- 0
See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

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

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