MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION
H.B. Fuller Company
1200 Willow Lake Boulevard
Vadnais Heights, MN  55110
Phone:  888-423-8553

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

PRODUCT INFORMATION
PRODUCT NUMBER:    HL5140  125
PRODUCT DESCRIPTION:  Hot melt sealant
PRODUCT IDENTIFIER:    803284PM

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
PHYSICAL STATE:  Solid
COLOR:    Gray
ODOR:  Neutral

Contact with molten product will cause thermal burns.
Vapors/fumes may be irritating at application temperatures.
Cancer hazard.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY
EYE:  Skin contact at room temperature is not irritating.  Exposure to hot material may cause thermal burns.
SKIN:  Skin contact at room temperature is not irritating.  Contact with product at elevated temperatures can result in thermal burns.
INHALATION:  Can cause minor respiratory irritation.  Vapors may have an offensive odor that may cause headaches, nausea, and vomiting.
Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
Overexposure to crystalline silica may cause silicosis.

*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.

INGESTION:  Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.

LONG-TERM (CHRONIC) HEALTH EFFECTS
REPRODUCTIVE:  No data available.
CHRONIC:  Contains a material that may cause cancer.
TARGET ORGAN(S):  Lungs

REGULATED CARCINOGEN STATUS:
Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.
Crystalline silica
Titanium dioxide

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE:  Lung disease
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>471-34-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Wax, polyethylene-polypropylene</td>
<td>9010-79-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Hydrocarbon resin</td>
<td>68478-07-9</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Crystalline silica</td>
<td>14808-60-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

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: Wash with soap and water. For hot product, immediately flush eyes with plenty of water for at least 20 minutes. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. For hot material, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean gauze and do not attempt to remove the material yourself. Get prompt medical attention. Medical personnel: coat with mineral oil to soften material for removal.

IF VAPORS INHALED: Remove to fresh air. Call a physician if symptoms persist. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
AUTOIGNITION TEMPERATURE: Not established
LOWER EXPLOSIVE LIMIT (% in air): Not established
UPPER EXPLOSIVE LIMIT (% in air): Not established
EXTINGUISHING MEDIA: A solid stream of water may scatter molten product. Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: 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: No adverse health effects expected from the clean-up of spilled material.
Follow personal protective equipment recommendations found in Section 8 of this MSDS.
CLEAN-UP: Allow molten material to solidify before disposal.

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

SECTION 7: HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity. Avoid breathing vapors/fumes of heated product. Prevent contact with molten product.
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Storage: Store in a cool, dry place. Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses when handling this product.
SKIN PROTECTION: Not normally required. Wear chemically resistant gloves to prevent prolonged or repeated contact. When material is heated, wear thermally insulating gloves to protect against thermal burns.
GLOVES: Not normally required. Use nitrile gloves if conditions warrant.
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. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures. At the application temperature, use of local exhaust over the premelting reservoir is encouraged.

EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH EXPOSURE LIMITS</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>No data available.</td>
<td>15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)</td>
</tr>
<tr>
<td>Wax, polyethylene-polypropylene</td>
<td>2 mg/m3 TWA (fume)</td>
<td>Not established</td>
</tr>
<tr>
<td>Hydrocarbon resin</td>
<td>No data available.</td>
<td>Not established</td>
</tr>
<tr>
<td>Crystalline silica</td>
<td>0.025 mg/m3 TWA (respirable fraction)</td>
<td>((250)/(%SiO2 + 5) mppcf TWA (respirable)); ((10)/(%SiO2 + 2) mg/m3 TWA (respirable)); ((30)/(%SiO2 + 2) mg/m3 TWA (total dust))</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m3 TWA</td>
<td>15 mg/m3 TWA (total dust)</td>
</tr>
</tbody>
</table>

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
COLOR: Gray
ODOR: Neutral
ODOR THRESHOLD: Not established
WEIGHT PER GALLON (lbs.): 9.40
SPECIFIC GRAVITY: 1.130
SOLIDS (% by weight): 100.0
pH: Not established
FLASH POINT: Not applicable
BOILING POINT (deg. C): Not established
FREEZING/MELTING POINT (deg. C): Not established
VAPOR PRESSURE (mm Hg): Not established
VAPOR DENSITY: Not established
EVAPORATION RATE: Not established
OCTANOOL/WATER COEFFICIENT: Not established
VOC, weight percent 0.00
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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CHEMICAL INCOMPATIBILITY: Not established
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>LD50 ORAL</th>
<th>LC50 INHALATION</th>
<th>LD50 DERMAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>Oral LD50 Rat = 6450 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wax, polyethylene-polypropylene</td>
<td>Not established</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbon resin</td>
<td>Not established</td>
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<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>Not established</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.

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. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.
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: The components of this product are included on the DSL or are exempt from DSL requirements.
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 is in compliance with the Australian Inventory of Chemical Substances requirements.
JAPAN ENCS: This product is in compliance with the Japanese Existing and New Chemical Substances requirements.
KOREAN TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.
CHINA: This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) requirements.

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 651-236-5858 (USA) or 450-651-5498 x4 (Canada) 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>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.
D2A D2B

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.

<table>
<thead>
<tr>
<th>Chemical Name/List</th>
<th>CAS</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (Carcinogen)</td>
<td>14808-60-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Titanium dioxide (Carcinogen)</td>
<td>13463-67-7</td>
<td>0.1 - 1</td>
</tr>
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SECTION 16: ADDITIONAL INFORMATION
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 -- 0 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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