SECTION 1 Product and Company Information

PRODUCT NAME: Polycore Panels
GENERIC NAME: Polymer panels and Fiberglass Reinforced Plastic

DISTRIBUTOR: Life Science Products
124 Speer Road
Chestertown, MD 21620

Chemtrec
24 Hour Emergency Number 1-800-424-9300
Information Number: 1-800-666-6216
CRM# CCN722733

Comments: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR1910.1200, 91/155/ECC and Canadian Hazardous Products Act

SECTION 2 Hazards Identification

Emergency Overview
This product contains no hazardous ingredients as defined under the criteria of the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. Dust and other particulates generated during cutting, shaping or forming may cause eye, skin and respiratory tract irritation. This SDS contains information on the safe handling and proper use of the product. MSDS should be available for any person(s) in use of this product.

Emergency Overview: Not expected to cause any adverse health effects when handled as recommended.

Potential Health Effects
Fabricating, Cutting, Drilling etc may cause dust.
Eyes: Dusts and particulates may cause eye irritation
Skin: Dusts and particulates may cause skin irritation
Ingestion: Not likely a route of exposure under normal product usage
Inhalation: Dusts and particulates may cause respiratory tract irritation

Pre-existing conditions or respiratory disorders may cause more susceptibility to these effects.

Carcinogenicity:
Not listed by NTP
Not Listed by IARC
Not Listed by OSHA

Reproductive Effects: Not Available
Teratogenic Effects: No evidence of mutagenetic effects

Signs and Symptoms of Overexposure:
Irritation of nose, throat and respiratory tract.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

<table>
<thead>
<tr>
<th>Health</th>
<th>Environmental</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irritant</td>
<td>None Known</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Skin Irritant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory Irritant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pictogram:

SECTION 3 Composition / Information on Ingredients

Not considered a hazardous material or controlled substance. TLV and PEL not established. Once extruded, stable solid material that is non-hazardous when handled or processed in accordance with good manufacturing practices and industrial hygiene practices.

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>25087-34-7</td>
<td>1-Butene, polymer with ethene</td>
</tr>
<tr>
<td>25213-02-9</td>
<td>1-Hexene, polymer with ethene</td>
</tr>
<tr>
<td>N/A</td>
<td>Solid sheets composed of glass, calcium carbonate, titanium dioxide, alumina and pigment embedded in a cured polymerized styrenated/acrylated polyester</td>
</tr>
</tbody>
</table>

SECTION 4 First Aid Measures

Inhalation: Avoid inhalation if dust is generated. Remove person to fresh air. If other respiratory symptoms develop, or person is breathing irregular, seek medical attention immediately.

Skin Contact: Flush with large amounts of water, if irritation persists, get medical attention

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. Eye injuries from glass particles should be treated by a physician immediately.

Ingestion: If ingested, get immediate medical attention or advice. Do not induce vomiting.
SECTION 5 Fire Fighting Measures

FLAMMABILITY: NO FIRE HAZARDS ANTICIPATED.
FLASH POINT: >343°C (CLOSED CUP)
AUTO IGNITION TEMP: TYPICALLY 650°F OR HIGHER
EXTINGUISHING MEDIA: DRY CHEMICAL, CO2, WATER SPRAY
SPECIAL EXPOSURE: REMOVE ALL PERSONS FROM THE AREA OF INCIDENT. ISOLATE THE SCENE AND ONLY ALLOW SUITABLE PERSONAL TO TAKE ACTION.
HAZARDOUS THERMAL: COMBUSTION MAY YIELD CO, CO2, ALPHAIAC, KETONES, ALDEHYDES, AROMATIC HYDROCARBONS AND HALOGENATED COMPOUNDS.
SPECIAL FIRE FIGHTING: USE MEDIA BEST SUITED FOR FIRE ENVIRONMENT. USE SELF CONTAINED BREATHING APPARATUS AND MEDIA BEST SUITED TO FIRE ENVIRONMENT. STATIC DISCHARGE COULD BE AN IGNITION SOURCE FOR A COMBUSTIBLE CONCENTRATION OF DUST.

SECTION 6 Accidental Release Measures

Vacuum or sweep up material and dispose of properly. No special containment and clean up procedures required. No evacuation procedures required.

SECTION 7 Handling and Storage

Storage: Store in cool, dry area away from heat, sparks and open flame.
Handling: Avoid dust generation. See Section 8 for personal protection.

SECTION 8 Exposure Controls / Personal Protection

EXPOSURE GUIDELINES and Limits

PROTECTIVE CLOTHING: NONE SPECIFIED
RESPIRATORY PROTECTION: IF DUST IS GENERATED, USE NIOSH/MSA APPROVED RESPIRATOR SUCH AS 3M 8710
EYE PROTECTION: GOGGLES ARE RECOMMENDED TO AVOID SPLASHES, MISTS OR DUSTS.
HYGIENE PROTECTION: WASH SKIN WITH SOAP AND WATER AFTER HANDLING. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE ANY CONTAMINATED CLOTHING AND CLOTHING SHOULD BE WASHED BEFORE REUSING.
VENTILATIONS: VENTILATION IS NOT NORMALLY REQUIRED EXCEPT TO CONTROL DUST. DURING CUTTING, DRILLING, ETC, DUST TO BE CONTROLLED AND KEPT PARTICULATE NOT TO EXCEED 30M PPCF.
EATING AND DRINKING ARE NOT TO BE DONE IN THE AREA OF FABRICATING.

SECTION 9 Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>solid</td>
</tr>
<tr>
<td>Form</td>
<td>varies</td>
</tr>
<tr>
<td>Color</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>&gt;248 F (120°C)</td>
</tr>
<tr>
<td>Melting/Freezing Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td></td>
</tr>
<tr>
<td>Ignition Temperature</td>
<td>Higher than 451 F</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>390 C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>110-135 C</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>1.5-1.7 (core)</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity (water=1 @39.2F)</td>
<td>1.2-1.8 (core)</td>
</tr>
<tr>
<td>Evaporation Rate (Bac=1)</td>
<td>N/P</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight waxy</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>insoluble</td>
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</tbody>
</table>
## SECTION 10 Stability and Reactivity

**Reactivity:**  Product is stable.

**Conditions to Avoid:** Avoid dust generation.

**Incompatible Materials:** May react with strong oxidizing agents.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Chemical Stability:** If heated to more than 300°C, the product may form vapors or fumes which could cause irritation of the respiratory tract, coughing and shortness of breath. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

**Decomposition:** Will not occur under normal conditions. At elevated temperatures, material will begin to decompose, producing fumes. Fumes and fire may produce CO2, CO, aliphatic and aromatic compounds, halogenated components.

## SECTION 11 Toxicological Information

**United States:**

- Acute Toxicity – Not Available
- Chronic Toxicity – Not Available
- Irritation/Corrosion – Not Available
- Sensitizer – Not Available
- Carcinogenicity – Not Available
- Mutagenicity – Not Available
- Teratogenicity – Not Available
- Reproductive Toxicity – Not Available

**Component Analysis LD50/LC50**

- 1-Butene, polymer with ethane: Oral LD 50 Rat 4 g/kg

**Component Carcinogenicity**

None of the products components are listed by ACGIH, IARC, OSHA, NIOSH or NTP.

## SECTION 12 Ecological Information

**General**

- Biodegradability: Not determined
- Aquatic Ecotoxicity: Not Determined

Specific ecotoxicological data is not available for this product.

**Component Analysis - Not available for this product**

## SECTION 13 Disposal Considerations

**Waste Disposal**

Not judged to be hazardous.

Disposal must comply with all Federal, State and Local regulations. See section 7 and 8 for handling and protection.

## SECTION 14 Transport Information

**Not classified as hazardous for transport.**

| DOT Classification: Not Regulated |
| TDG Classification: Not Regulated |

## SECTION 15 Regulatory Information

**U.S. Federal Regulations:**

Component Analysis: None of the products components are listed under SARA section 302, SARA section 313, or CERCLA.

**State Regulations:** Not listed on state limits from CA, MA, MN, NJ, or RI.

**WHMIS IDL – no components listed**

**Additional Regulatory Information**

**Component Analysis – Inventory**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>25087-34-7</td>
<td>1-Butene, polymer with ethane</td>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
</tr>
<tr>
<td>25213-02-9</td>
<td>1-Hexene, polymer with ethane</td>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
</tr>
<tr>
<td>SECTION 16  Other Information</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>-------------------------------</td>
<td></td>
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</tr>
<tr>
<td>HMIS Rating – Health 1, Fire 0, Reactivity 1 Revised to be incompliance with new GHS regulations due by 12/1/2013.</td>
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</table>

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