Section 1 - Product and Company Identification

Material Name  ▪ CertainTeed FlintBoard™ ISO  
Product Description ▪ White or cream colored foam solid with a dark gray glass fiber reinforced felt facing on both sides.  
Product Use ▪ Polyisocyanurate roofing insulation.  
Manufacturer ▪ CertainTeed Corporation  
750 E. Swedesford Road  
P.O. Box 860  
Valley Forge, PA 19482-0105  
United States  
www.certainteed.com  
CertainTeed - EHS@saint-gobain.com  

Telephone  
Technical ▪ (610) 341-7000 - 9 AM – 5 PM (Eastern Time – USA)  
Emergency ▪ (800) 424-9300 - Chemtrec  
Emergency ▪ (703) 527-3887 - Outside of the U.S. Chemtrec  

Preparation Date ▪ 10/07/2011  
Last Revision Date ▪ 10/07/2011  

Key to abbreviations  
‡ = HMIS is a registered trademark of the American Coatings Association

Section 2 - Hazards Identification

Emergency Overview

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Product is a solid formed article. With exception of the blowing agent, this product does not present an inhalation, ingestion or contact health hazard unless subjected to operations such as sawing, sanding or machining that result in the generation of airborne particulates (dusts). Exposure to high dust levels may irritate skin, eyes, nose, throat or upper respiratory tract. Inhalation of large amounts of dust over long periods may overload lung clearance mechanisms and make lungs more vulnerable to respiratory disease.

Physical Form ▪ Solid  
Color ▪ White or cream/Dark gray.  
Odor ▪ Negligible  
OSHA ▪ None  
WHMIS ▪ None  
GHS ▪ None

Potential Health Effects
Inhalation

Acute (Immediate)
- Under normal conditions of use, no health effects are expected. Exposure to dust may cause irritation. Overexposure to high concentrations of pentane can cause narcotic effects. Signs and symptoms of overexposure to pentane include headache, nausea, dizziness, difficulty walking or sleepiness.

Chronic (Delayed)
- There is no evidence that dusts generated from these products cause disease in humans. Facer dusts containing carbon black pigment are not analogous to the raw carbon black powder for which human carcinogenicity is suspected. No chronic effects are known for exposure to pentane vapors. No chronic health effects are known to be associated with exposure to glass fibers. Results from epidemiological studies have not shown any increase in respiratory disease or cancer.

Skin

Acute (Immediate)
- Under normal conditions of use, no health effects are expected. Exposure to dust may cause irritation.

Chronic (Delayed)
- None known.

Eye

Acute (Immediate)
- Under normal conditions of use, no health effects are expected. Exposure to dust may cause irritation.

Chronic (Delayed)
- None known.

Ingestion

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>% (weight)</th>
<th>UN; EINECS</th>
<th>LD50/LC50</th>
<th>EU Classification &amp; R Phrases</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isocyanurate homopolymer</td>
<td>NDA</td>
<td>78%</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>Polyiso foam</td>
</tr>
<tr>
<td>Felt facer</td>
<td>NDA</td>
<td>22%</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>5%</td>
<td>266-046-0</td>
<td>NDA</td>
<td>NDA</td>
<td>Felt facer</td>
</tr>
<tr>
<td>Pentane</td>
<td>109-66-0</td>
<td>&lt; 4.7%</td>
<td>UN1265, 203-692-4</td>
<td>Inhalation-Rat LC50 · 364 g/m³ 4 Hour(s)</td>
<td>F+; R12 N; R51 R53 Xn; R65 R66 R67</td>
<td>Polyiso foam (Residual blowing agent)</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>1%</td>
<td>215-609-9</td>
<td>Ingestion/Oral-Rat LD50 · &gt;15400 mg/kg</td>
<td>NDA</td>
<td>Felt facer (Pigment)</td>
</tr>
</tbody>
</table>

Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use. Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use. This product as an article is outside the scope of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

Inhalation
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Drink water to clear throat and blow nose to remove
See Section 2 for Potential Health Effects.

**Section 5 - Fire Fighting Measures**

**Extinguishing Media**
- Use fog, foam, CO2, Dry Chemical, or water.
- Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media**
- None known.

**Firefighting Procedures**
- No data available

**Unusual Fire and Explosion Hazards**
- Under fire conditions, toxic and irritating fumes may be emitted.
- Pentane vapors may be produced from freshly produced foam or when product is heated. Pentane concentrations between its lower and upper explosion limits (LEL=1.5% and UEL=7.8%) may accumulate under unique circumstances inside a sealed container or within confined areas. If such concentrations are provided a source of ignition, there may be a very high rate of flame propagation.

**Hazardous Combustion Products**
- Carbon monoxide, carbon dioxide and other undetermined hydrocarbon fractions.

**Protection of Firefighters**
- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

**Section 6 - Accidental Release Measures**

**Personal Precautions**
- Take proper precautions to minimize exposure by using appropriate personal protective equipment. Ventilate enclosed areas.

**Emergency Procedures**
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Ventilate area as necessary to reduce any airborne dusts to a safe level before entry unless personal protective equipment is adequate for protection.

**Environmental Precautions**
- Prevent entry into waterways and sewers.

**Containment/Clean-up Measures**
- Pick up large pieces. Vacuum dust. If sweeping is necessary, use a dust suppressant such as water. These procedures will help to minimize potential exposures. Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

**Section 7 - Handling and Storage**

**Handling**
- Use good safety and industrial hygiene practices. Avoid breathing dust generated when sawing, routing, drilling, and sanding this product.

**Storage**
- Store away from heat, sparks and open flames. Store in a cool, dry, well ventilated area.

**Special Packaging Materials**
- No data available

**Incompatible Materials or Ignition Sources**
- To prevent deterioration avoid contact with acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide and dimethyl formamide.

**Section 8 - Exposure Controls/Personal Protection**

**Personal Protective Equipment**
## Pictograms

- ⚠️

## Respiratory

- Respiratory protection may be needed if exposure limit for dust is exceeded or if the material is used in poorly ventilated area. Follow the OSHA respirator regulations found in 29 CFR 1910.134.

## Eye/Face

- Wear safety glasses or goggles.

## Hands

- Wear appropriate gloves.

### Exposure Limits/Guidelines

<table>
<thead>
<tr>
<th>Result</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black (1333-86-4)</td>
<td>TWAs 3.5 mg/m3 TWA</td>
<td>3.5 mg/m3 TWA; 0.1 mg/m3 TWA (carbon black in presence of polycyclic aromatic hydrocarbons, as PAH)</td>
<td>3.5 mg/m3 TWA</td>
</tr>
<tr>
<td>Formaldehyde (50-00-0)</td>
<td>STELs Not established</td>
<td>Not established</td>
<td>2 ppm STEL (see 29 CFR 1910.1048)</td>
</tr>
<tr>
<td></td>
<td>TWAs Not established</td>
<td>0.016 ppm TWA</td>
<td>0.75 ppm TWA</td>
</tr>
<tr>
<td>Pentane (109-96-0)</td>
<td>TWAs 600 ppm TWA</td>
<td>120 ppm TWA; 350 mg/m3 TWA</td>
<td>1000 ppm TWA; 2950 mg/m3 TWA</td>
</tr>
<tr>
<td></td>
<td>Ceilings Not established</td>
<td>610 ppm Ceiling (15 min); 1800 mg/m3 Ceiling (15 min)</td>
<td>Not established</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>TWAs 1 fiber/cm3 TWA (respirable fibers: length &gt;5 µm, aspect ratio &gt;=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination) as Glass wool fiber</td>
<td>3 fibers/cm3 TWA (fibers &lt;= 3.5 µm in diameter and &gt;= 10 µm in length); 5 mg/m3 TWA (total) as Glass wool fiber</td>
<td>Not established</td>
</tr>
</tbody>
</table>

### Key to abbreviations

- STEL = Short Term Exposure Limits are based on 15-minute exposures
- NIOSH = National Institute of Occupational Safety and Health
- TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
- OSHA = Occupational Safety and Health Administration
- ACGIH = American Conference of Governmental Industrial Hygiene

## Section 9 - Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical Form:</th>
<th>Solid</th>
<th>Appearance/Description:</th>
<th>White or cream colored foam solid with a dark gray glass fiber reinforced felt facing on both sides.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>White or cream/Dark gray.</td>
<td>Odor:</td>
<td>Negligible</td>
</tr>
<tr>
<td>Taste:</td>
<td>No data available</td>
<td>Particulate Type:</td>
<td>No data available</td>
</tr>
<tr>
<td>Particulate Size:</td>
<td>No data available</td>
<td>Aerosol Type:</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>No data available</td>
<td>Boiling Point:</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>&gt; 250 F(&gt; 121.1111 C)</td>
<td>Decomposition Temperature:</td>
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</tr>
<tr>
<td>Heat of Decomposition:</td>
<td>No data available</td>
<td>pH:</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density:</td>
<td>&lt; 1 Water=1</td>
<td>Density:</td>
<td>No data available</td>
</tr>
<tr>
<td>Bulk Density:</td>
<td>No data available</td>
<td>Water Solubility:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solvent Solubility:</td>
<td>Insoluble</td>
<td>Viscosity:</td>
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<tr>
<td>Vapor Pressure:</td>
<td>No data available</td>
<td>Vapor Density:</td>
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</tr>
<tr>
<td>Evaporation Rate:</td>
<td>No data available</td>
<td>VOC (Wt.):</td>
<td>No data available</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>------------</td>
<td>------------------</td>
</tr>
<tr>
<td>VOC (Vol.):</td>
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<td>Volatiles (Wt.):</td>
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<td>Volatiles (Vol.):</td>
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<td>Flash Point:</td>
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<tr>
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<td>UEL:</td>
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<tr>
<td>LEL:</td>
<td>No data available</td>
<td>Heat of Combustion (ΔHc):</td>
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<td>Autoignition:</td>
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<td>Self-Accelerating Decomposition Temperature (SADT):</td>
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<tr>
<td>Burning Time:</td>
<td>No data available</td>
<td>Flame Duration:</td>
<td>No data available</td>
</tr>
<tr>
<td>Flame Height:</td>
<td>No data available</td>
<td>Flame Extension:</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition Distance:</td>
<td>No data available</td>
<td>Half-Life:</td>
<td>No data available</td>
</tr>
<tr>
<td>Octanol/Water Partition coefficient:</td>
<td>No data available</td>
<td>Coefficient of water/oil distribution:</td>
<td>No data available</td>
</tr>
<tr>
<td>Bioaccumulation Factor:</td>
<td>No data available</td>
<td>Bioconcentration Factor:</td>
<td>No data available</td>
</tr>
<tr>
<td>Biochemical Oxygen Demand BOD/BOD5:</td>
<td>No data available</td>
<td>Chemical Oxygen Demand:</td>
<td>No data available</td>
</tr>
<tr>
<td>Persistence:</td>
<td>No data available</td>
<td>Degradation:</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Section 10 - Stability and Reactivity**

**Stability**
- Stable under normal temperatures and pressures.

**Hazardous Polymerization**
- Hazardous polymerization will not occur.

**Conditions to Avoid**
- No data available.

**Incompatible Materials**
- To prevent deterioration avoid contact with acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide and dimethyl formamide.

**Hazardous Decomposition Products**
- None identified.

**Section 11 - Toxicological Information**

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Concentration</th>
<th>CAS</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>5%</td>
<td>65997-17-3</td>
<td>Acute Toxicity: ihl-rat TCLo: 16 mg/m3/6H/13W-I</td>
</tr>
<tr>
<td>Pentane</td>
<td>&lt; 4.7%</td>
<td>109-66-0</td>
<td>Acute Toxicity: ihl-rat LC50: 364 gm/m3/4H; ihl-rat TCLo: 116 mg/m3/117D-C</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1%</td>
<td>1333-86-4</td>
<td>Acute Toxicity: orl-rat LD50: &gt;15400 mg/kg; ihl-mus TCLo: 7 mg/m3/6H/13W-I; ihl-rat TCLo: 229 mg/m3/6H; Mutagen: dnd-rat-ihl 50 ug/L/13W-I; Tumorigen/Carcinogen: ihl-rat TCLo: 11600 ug/m3/18H/2Y-I</td>
</tr>
</tbody>
</table>

Key to abbreviations
- TC = Toxic Concentration
- LC = Lethal Concentration

**Section 12 - Ecological Information**

**Ecological Fate**
- No data available

**Persistence/Degradability**
- No data available

**Bioaccumulation Potential**
- No data available

**Mobility in Soil**
- No data available

Chemicals in this material are not expected to cause harm to aquatic or terrestrial plants or animals; however, fish or other animals may eat the product, which could obstruct their digestive tracts.
Section 13 - Disposal Considerations

Product

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

Section 15 - Regulatory Information

SARA Hazard Classifications

- None

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isocyanurate homopolymer</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Felt facer</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Pentane</td>
<td>109-66-0</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isocyanurate homopolymer</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Felt facer</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Pentane</td>
<td>109-66-0</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
### Canada - WHMIS - Ingredient Disclosure List

- **Pentane**: 109-66-0 < 4.7% 1%
- **Carbon Black**: 1333-86-4 1% 1%
- **Glass, oxide, chemicals**: 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0 < 1% 0.1%

### Environment - CEPA - Priority Substances List

- **Pentane**: 109-66-0 < 4.7% Not Listed
- **Carbon Black**: 1333-86-4 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0 < 1% Priority Substance List 2 (substance considered toxic)

### United States - OSHA - Process Safety Management - Highly Hazardous Chemicals

- **Pentane**: 109-66-0 < 4.7% Not Listed
- **Carbon Black**: 1333-86-4 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0 < 1% 1000 lb TQ

### United States - OSHA - Specifically Regulated Chemicals

- **Pentane**: 109-66-0 < 4.7% Not Listed
- **Carbon Black**: 1333-86-4 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0 < 1% 2 ppm STEL (Irritant and potential cancer hazard, See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level; 0.75 ppm TWA

### Environment - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- **Pentane**: 109-66-0 < 4.7% Not Listed
- **Carbon Black**: 1333-86-4 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0 < 1%

### Environment - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- **Pentane**: 109-66-0 < 4.7% Not Listed
- **Carbon Black**: 1333-86-4 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0 < 1% 100 lb final RQ; 45.4 kg final RQ

### Environment - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- **Pentane**: 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% 100 lb EPCRA RQ

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% 500 lb TPQ

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% 0.1 % de minimis concentration

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% Included in waste streams: K009, K010, K038, K040, K156, K157

U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% waste number U122

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics
- Pentane 109-66-0 < 4.7% Not Listed
- Carbon Black 1333-86-4 1% Not Listed
- Glass, oxide, chemicals 65997-17-3 5% Not Listed
- Glass, oxide, chemicals as Glass wool fiber 5% Not Listed
- Formaldehyde 50-00-0 < 1% waste number U122
### United States - California

#### Environment

**U.S. - California - Proposition 65 - Carcinogens List**
- **Pentane**: 109-66-0, < 4.7% Not Listed (carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size))
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed (carcinogen, initial date 7/1/90 (airborne particles of respirable size))
- **Formaldehyde**: 50-00-0, < 1% Not Listed (carcinogen, initial date 1/1/88 (gas))

**U.S. - California - Proposition 65 - Developmental Toxicity**
- **Pentane**: 109-66-0, < 4.7% Not Listed
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0, < 1% Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**
- **Pentane**: 109-66-0, < 4.7% Not Listed
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0, < 1% Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**
- **Pentane**: 109-66-0, < 4.7% Not Listed
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0, < 1% 40 µg/day NSRL

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**
- **Pentane**: 109-66-0, < 4.7% Not Listed
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0, < 1% Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**
- **Pentane**: 109-66-0, < 4.7% Not Listed
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0, < 1% Not Listed

### United States - Pennsylvania

#### Labor

**U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**
- **Pentane**: 109-66-0, < 4.7% Not Listed
- **Carbon Black**: 1333-86-4, 1% Not Listed
- **Glass, oxide, chemicals**: 65997-17-3, 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber**: 5% Not Listed
- **Formaldehyde**: 50-00-0, < 1%
**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**

- **Pentane** 109-66-0 < 4.7% Not Listed
- **Carbon Black** 1333-86-4 1% Not Listed
- **Glass, oxide, chemicals** 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber** 5% Not Listed
- **Formaldehyde** 50-00-0 < 1%

**United States - Rhode Island**

**Labor**

**U.S. - Rhode Island - Hazardous Substance List**

- **Pentane** 109-66-0 < 4.7% Toxic; Flammable
- **Carbon Black** 1333-86-4 1% Toxic
- **Glass, oxide, chemicals** 65997-17-3 5% Not Listed
- **Glass, oxide, chemicals as Glass wool fiber** 5% Toxic
- **Formaldehyde** 50-00-0 < 1% Toxic; Flammable; Carcinogen

**Additional Regulatory Information**

- WARNING: This product contains a chemical known to the State of California to cause cancer.

**Section 16 - Other Information**

**Preparation Date** 10/07/2011

**Last Revision Date** 10/07/2011

**Disclaimer/Statement of Liability**

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

**Key to abbreviations**

NDA = No Data Available