SECTION 1 – IDENTIFICATION

Product Name: PITTSEAL® CW sealant

Manufacturer/Supplier:
Pittsburgh Corning Corporation
800 Presque Isle Drive
Pittsburgh, PA 15239

Information Number: 724-327-6100
CHEMTREC: 800/424-9300

Generic Name: Moisture cure sealant

Use: PITTSEAL® CW sealant is a specially formulated sealant used for sealing joints in FOAMGLAS® pipe insulation and between FOAMGLAS® insulation block.

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SECTION 2 – HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION: Potential Irritant

SIGNAL WORD: WARNING

HAZARD STATEMENT: Repeated or prolonged contact with skin may cause irritation.
Direct contact with eyes will cause eye irritation.
May be harmful if swallowed.

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: Product is extremely low in volatility and therefore not likely to pose a problem from inhalation.

SKIN CONTACT: Not Toxic.

EYE CONTACT: Direct contact can cause severe irritation.

INGESTION: May be harmful if ingested, not a likely route of entry.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ACUTE: Preexisting skin and eye disorders may be aggravated by direct contact to this product.

CHRONIC: Repeated or prolonged direct contact to the eyes may cause chemical burns. Repeated or prolonged direct contact to skin may cause a dermatitis
Carcinogenicity – There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>App. % by wt.</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>40 - 60</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>4 - 10</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Proprietary Polymers</td>
<td>15 - 30</td>
<td></td>
</tr>
<tr>
<td>Amino Silane</td>
<td>1 - 5</td>
<td>1760-24-3</td>
</tr>
</tbody>
</table>

SECTION 4 – FIRST AID MEASURES

GENERAL ADVICE: Exposure to product can produce symptoms which include skin and eye irritation.

INHALATION: An unlikely route of entry. Remove to fresh air. Consult a physician immediately.

SKIN CONTACT: Immediately remove product from skin with dry cloth or towel, and wash exposed area with detergent.

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes and promptly call a physician.

INGESTION: An unlikely route of entry. Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Fine Water Spray, CO₂, Dry Chemical, Foam. If entering a confined area, use self-contained breathing apparatus.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NA
SENSITIVITY TO STATIC DISCHARGE: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. This product is not considered flammable.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce toxic fumes of Carbon Monoxide, Carbon dioxide, Sulfur oxides and Hydrogen.

SPECIAL FIRE FIGHTING MEASURES: None. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR PERSONNEL: Ensure adequate ventilation.
Wear personal protective equipment. Refer to recommendations in section 8.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling and before eating or drinking.
ENVIRONMENTAL PRECAUTIONS: No known applicable information.

PROCESS FOR CLEANING: Contain the spill or leak. Collect spill with a rag or other absorbent material such as cardboard, and place into a container approved for waste disposal.

REGULATORY REQUIREMENTS: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 – HANDLING AND STORAGE

HANDLING: Use personal protection recommended in section 8. Avoid eye, skin and clothing contact. Use only with adequate ventilation. Avoid prolonged breathing vapor. Contact lens wearers take appropriate precaution. Keep out of reach of children.

STORAGE: Store in a cool dry area (This product polymerizes when in contact with moisture.) Keep away from heat, sparks and flame. Product is not considered flammable under normal conditions, and product is not considered explosive. Keep container closed when not in use. Do not lay the container on its side.

SECTION 8 – EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION

EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>App. % by wt.</th>
<th>TLV</th>
<th>NIOSH REL TWA</th>
<th>PEL</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>40 - 60</td>
<td>10mg/m³ Total Dust</td>
<td>10mg/m³ Total Dust</td>
<td>15mg/m³ Total Dust</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>4 - 10</td>
<td>10mg/m³ Total Dust</td>
<td>NE Total Dust</td>
<td>15mg/m³ Total Dust</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Proprietary Polymers</td>
<td>15 - 30</td>
<td>UN Total Dust</td>
<td>UN Total Dust</td>
<td>UN Total Dust</td>
<td>UN</td>
</tr>
<tr>
<td>Amino Silane</td>
<td>1 - 5</td>
<td>UN Total Dust</td>
<td>UN Total Dust</td>
<td>UN Total Dust</td>
<td>1760-24-3</td>
</tr>
</tbody>
</table>

EXPOSURE GUIDELINES: No established limits.

ENGINEERING CONTROLS: No specific controls are needed.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: Wear safety glasses or goggles to avoid eye contact.

SKIN PROTECTION: Wear impervious gloves such as vinyl to minimize contact with skin. Wear normal protective work clothing with long sleeved shirt. Not required.

RESPIRATORY PROTECTION: No specific controls are needed.

ENVIRONMENTAL EXPOSURE CONTROL: Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

WORK/HYGIENIC PRACTICES: Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

SECTION 9 – PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>off white paste</td>
</tr>
<tr>
<td>Odor:</td>
<td>slight ester odor</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>NE</td>
</tr>
<tr>
<td>pH</td>
<td>NE</td>
</tr>
<tr>
<td>Melting Point/Freezing Point:</td>
<td>UN</td>
</tr>
<tr>
<td>Boiling Point: °C (°F)</td>
<td>UN</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition Coefficient:</td>
<td>NE</td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
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</tr>
<tr>
<td>Viscosity:</td>
<td>≈ 1,000,000 cP</td>
</tr>
<tr>
<td>VOC: g/l (lbs./gal)</td>
<td>19 (0.16)</td>
</tr>
<tr>
<td>Flash Point: °C (°F) TCC</td>
<td>NA</td>
</tr>
<tr>
<td>Ignition Temperature: °C (°F)</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate (BuAC=1)</td>
<td>NA</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Non-Flammable</td>
</tr>
<tr>
<td>Flammable Limits:</td>
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</tr>
<tr>
<td>UEL</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure: (MM Hg): pH</td>
<td>NA</td>
</tr>
<tr>
<td>Specific Gravity: (H₂O = 1):</td>
<td>1.66</td>
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<tr>
<td>Density: lbs./gal (Calculated)</td>
<td>13.9</td>
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<tr>
<td>Evaporation Rate: (BuAC=1)</td>
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</tr>
<tr>
<td>Percent Volatile By Volume: (%)</td>
<td>NE</td>
</tr>
</tbody>
</table>
SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: Will polymerize in contact with water

STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous reaction will not occur

CONDITIONS TO AVOID: None known

MATERIALS TO AVOID: None known

DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic fumes of CO and/or CO2.

SECTION 11 – TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>INGREDIENT</th>
<th>DERMAL LD50</th>
<th>INHALATION LD50</th>
<th>ORAL LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1317-65-3</td>
<td>Calcium Carbonate</td>
<td>NE</td>
<td>NE</td>
<td>NE &gt; 5000 mg/kg (rat) low toxicity</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>NE</td>
<td>NE</td>
<td>&gt;2000mg/kg low toxicity</td>
</tr>
<tr>
<td></td>
<td>Proprietary Polymers</td>
<td>NE</td>
<td>NE</td>
<td>&gt;2000mg/kg (rat) low toxicity</td>
</tr>
<tr>
<td>1760-24-3</td>
<td>Amino Silane</td>
<td>&gt;2000mg/kg low toxicity</td>
<td>NE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS #</th>
<th>INGREDIENT</th>
<th>CARCINOGENICITY</th>
<th>TERATOGENICITY</th>
<th>MUTAGENICITY</th>
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<tbody>
<tr>
<td>1317-65-3</td>
<td>Calcium Carbonate</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>A4 No Group 2B</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Proprietary Polymers</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>1760-24-3</td>
<td>Amino Silane</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 12 – ECOLOGICAL INFORMATION

BIODEGRADATION: Not applicable.
BIOACCUMULATION: No information is available.
AQUATIC TOXICITY: No information is available.
OTHER INFORMATION: None

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION: None
DOT SHIPPING CLASS: Not regulated.
TDG: Not available.
PIN: Not available.
SECTION 15 – REGULATORY INFORMATION

Rotterdam Convention (PIC) Annex III: listed (Tributyl tin compounds (impurities) <2ppm)

US Regulatory Information

OSHA 29 CFR 1910-1200

TSCA

SARA Title III:

- SARA SECTION 302: None
- SARA SECTION 304: NA
- SARA (311,312) HAZARD CLASS: Immediate (acute) health hazard
- SARA (313) CHEMICALS: None

CERCLA:

- NA

RCRA:

- NA

CPSC CLASSIFICATION:

- Refer to section 13

HMIS:

- FLAMMABILITY: 0
- REACTIVITY: 0
- HEALTH: 1

NFPA:

- FLAMMABILITY: 0
- REACTIVITY: 0
- HEALTH: 1

WHMIS CLASSIFICATION:

- D2B

CALIFORNIA PROPOSITION 65:

- A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
- B. This product contains a chemical known to the State of CA to cause cancer.
- C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION

Prepared in accordance with 29 CFR 1910.1200

This Product has been classified in accordance with the hazard criteria of the Controlled Products

NA = not applicable
NEGL = Negligible
NE = not established
UN = unavailable
CL = Ceiling Limit
PROP. = Proprietary

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