

# PITTSEAL<sup>®</sup> CW SEALANT

## Material Safety Data Sheet

July 20, 2010

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PITTSEAL<sup>®</sup> CW sealant

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

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

Generic Name: All purpose sealant

Use: PITTSEAL<sup>®</sup> CW sealant is a specially formulated MS Polymer based sealant used for sealing joints in FOAMGLAS<sup>®</sup> pipe insulation and between FOAMGLAS<sup>®</sup> insulation block on chilled water systems.

#### General Comments

General information and emergency information available 8:00 AM – 5:00 PM ET Monday through Friday. CHEMTREC telephone number is to be used only in the event of chemical transportation emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to technical service.

NA = Not Applicable or Not Available

NE = not established

### SECTION 2 – HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

White paste with slight odor. May irritate eye, skin, nose, throat, and respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

#### Acute Potential Health Effects/Routes of Entry

Inhalation: May be harmful if inhaled. During application & curing, product releases methanol, which may affect brain or nervous system. Overexposure by inhalation, may injure liver.  
Eyes: May cause eye irritation; burning, redness, tearing & inflammation.  
Ingestion: Harmful if swallowed. Ingestion may result in an obstruction when product hardens.  
Skin: May irritate skin. Prolonged or repeated contact can result in irritation & dermatitis/rash.

#### Aggravated Medical Conditions:

None known

#### Chronic Health Effects:

Prolonged or repeated exposure may result in skin, respiratory, kidney or liver damage; skin irritation or dermatitis. Vinyltrimethoxysilane may cause heart muscle damage, anemia & lung, liver & kidney damage.

### SECTION 3 – COMPOSITION INFORMATION

INGREDIENT	CAS NUMBER	% BY WEIGHT
Proprietary MS Polymer Blend (mixture)	NA	<30
Calcium Carbonate**	471-34-1	<35
Titanium Dioxide**	13463-67-7	<10
Diisodecyl Phthalate	68515-49-1	<20
Vinyltrimethoxysilane	2768-02-7	0 to 3
Non-hazardous ingredients*		<5

\*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
\*\*Inhalation of particles unlikely, due to products physical state. Calculated VOC: < 2%/wt, (< 35g/L. CARB Compliance: Yes. Prop 65 Ingredients: Yes (See Section 16). (VOC's less water & exempt compounds)

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**SECTION 4 – FIRST AID MEASURES**

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Inhalation: Remove subject to fresh air. If breathing difficult, leave area for fresh air. Get medical attention if irritation persists.

Eye Contact: Immediately flush eyes w/ copious amounts of water for 15 minutes until irritation subsides. Get medical attention..

Skin: Wash skin w/ soap & water. Get medical attention if irritation persists.

Ingestion: If swallowed, call physician or poison control center for most current information. Do not induce vomiting, unless directed by medical personnel.

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**SECTION 5 – FIRE FIGHTING MEASURES**

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Flash Point: >93°C (>200°F) TCC

Lower explosion limit : NE

Upper Explosive Limit/Lower Explosive Limit: NE

Autoignition Temperature: NE.

Appropriate Extinguishers: Treat as class B fire, use carbon dioxide, dry chemical or foam. Water may be ineffective, but water should be used to keep fire exposed containers cool

Hazardous combustion products: In the event of partial combustion, fumes, smoke, carbon monoxide, and other decomposition products may be released

Protective equipment for firefighters: Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

Fire and Explosion Hazards: No unusual hazards

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Use appropriate protective equipment as specified in Section 8 of this MSDS. Avoid contact with material. Use absorbent material or scrape up dried material and transfer to appropriate container for disposal.

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**SECTION 7 – HANDLING AND STORAGE**

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Keep out of reach of children & pets. Do not take internally. Use only w/ adequate ventilation. Provide adequate ventilation by opening doors & windows, to ensure fresh air during application & curing. Avoid breathing vapor & contact w/ eyes, skin & clothing. Remove contact lenses before using & do not handle lenses until all material has been cleaned from fingers. Residual sealant may transfer to contacts & result in eye irritation.

Keep containers closed. Store away from caustics & oxidizers & @ temperatures < 49°C (< 120°F). Store away from excessive heat & freezing.

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**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

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Eye Protection: Wear goggles or safety glasses w/ side shields as a minimum. Contact lenses represent a special hazard, as soft lenses may absorb & all lenses, concentrate irritants.

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**Skin Protection:** Protect hands with impervious rubber gloves and wear typical full cover clothing. Prevent contact with skin, shoes, and clothing. Remove contaminated clothing and laundry before reuse. Cleanse skin thoroughly after contact, before work breaks and meals, and at the end of the work day. Product is readily removed from the skin with waterless hand cleaners followed by washing thoroughly with soap and water.

**Respiratory Protection:** Not required under normal conditions of use. If engineering controls do not maintain airborne concentrations of hazardous ingredients below limits in Section 2 of this MSDS, then a NIOSH/NSHA approved organic vapor respirator should be used.

**Hands:** Use suitable impervious rubber or vinyl gloves.

**Engineering:** Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit shown below.

Ingredient	App. % by Vol.	EXPOSURE LIMITS			CAS #
		TLV*	NIOSH REL TWA	PEL**	
Proprietary MS Polymer Blend (mixture)	<30	NE	NE	NE	
Calcium Carbonate	<35	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	471-34-1
Titanium Dioxide	<10	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	13463-67-7
Diisodecyl Phthalate	<20	5 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup> (TWA)	68515-49-1
Vinyltrimethoxysilane	0 to 3	NE	NE	NE	2768-02-7

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: viscous liquid/mastic (paste)	Color: white
Odor: very slight odor	Odor threshold: NE
Boiling Point (°F.): NE	Specific Gravity (H <sub>2</sub> O = 1): 1.25 -1.75
Vapor Pressure (MM Hg): NE	Percent Volatile By Weight (%) <10
Vapor Density (Air = 1) NE	pH: NA
Solubility in Water: Dilutable in wet stage	Freezing/melting range: NA
Evaporation Rate (n-butyl acetate = 1): NE	

## SECTION 10 – STABILITY AND REACTIVITY DATA

Substances to avoid: Oxidizing agents, amines, strong caustics, water  
Stability: Material is stable under normal storage, handling, and use  
Hazardous polymerization: Will not occur under normal conditions

## SECTION 11 – TOXICOLOGICAL INFORMATION

No data available

## SECTION 12 – ECOLOGICAL INFORMATION

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None known or expected under normal use.

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### SECTION 13 – DISPOSAL CONSIDERATIONS

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Disposal Method: This material is not classified as a hazardous waste per 40 CFR 261. State & local laws may impose regulatory restrictions. Observe all federal, state & local laws regarding waste disposal. Waste code: N/A. Responsibility for proper waste disposal is w/ owner of waste.

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### SECTION 14 – TRANSPORT INFORMATION

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UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: : Not Regulated. DOT Technical Name: NA. DOT Haz. Class: NA. Packing Group: NA. Haz. Subclass: NA.

DOT UN/NA Number: NA. Shipping information provided is applicable for domestic ground transport only. Alternative categorization may apply if shipped via other modes of transportation &/or to non-domestic destinations.

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### SECTION 15 – REGULATORY INFORMATION

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Toxic Substances Control Act (TSCA): All components are listed or exempt from the TSCA inventory. This product contains no chemical substances subject to the reporting requirements of TSCA 12(B), if exported from United States.

#### U.S. Federal Regulations:

SARA 313 Components: None present or none present in regulated quantities.

SARA 311/312 Hazards: None

OSHA Status: Considered hazardous based on the following criteria: Irritant, Carcinogen

OSHA Flammability Not Regulated

Regulatory VOC (less water and exempt solvent) <35g/l (0.29 lbs/gal), ≤2%

May contain trace amounts of Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

#### U.S. State Regulations:

MASS RTK Components:

Titanium Dioxide	13463-67-7
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

Penn RTK Components:

Titanium Dioxide	13463-67-7
Crystalline Silica (Quartz)/Silica Sand	14808-60-7

NJ RTK Components:

Titanium Dioxide	13463-67-7
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Proprietary Polymer Blend (mixture)	NE
Calcium Carbonate	471-34-1
Diisodecyl Phthalate	68515-49-1
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WARNING! Product may contain trace amounts of Crystalline Silica, known to the State of California to cause cancer

14808-60-7 Crystalline Silica (Quartz)/Silica Sand

Product may contain Monoolein (25496-72-4)

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS  
D2B

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### SECTION 16 – ADDITIONAL INFORMATION

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HMIS Rating:

Health	1
Flammability	0
Reactivity	0
PPE	B

0= Minimum  
1 = Slight  
2 = Moderate  
3 = Serious 4 = Severe

For INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

#### ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists  
IARC = International Agency for Research on Cancer  
NTP = National Toxicology Program  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation DSL - Domestic Substance List  
MSHA - Mine Safety Health Administration  
NIOSH - National Institute for Occupational Safety and Health  
RCRA - Resource Conservation and Recovery Act RTK - Right To Know  
STEL - Short Term Exposure Limit  
TSCA - Toxic Substances Control Act  
V - Volume  
WHMIS - Workplace Hazardous Materials Information System

HMIS = Hazardous Material Information System  
NFPA = National Fire Protection Association  
OSHA= Occupational Safety and Health Administration

EPA - Environmental Protection Agency  
NDSL - Non-Domestic Substance List  
PEL - Permissible Exposure Limit  
SARA - Superfund Amendments and Reauthorization Act  
TLV - Threshold Limit Value  
TWA - Time Weighted Average  
VOC - Volatile Organic Compound

While the information and recommendations set forth herein are believed to be accurate, Pittsburgh Corning makes no warranty with respect thereto, and disclaims all liability from reliance thereon. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS OWN PROGRAM AND TO COMPLY WITH ALL NATIONAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION.

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