






Section 1: Product and Company Identification

Product Name: 670 Crack Fill Binder Part B	Product Use: Moisture Mitigation Component
Manufacturer's Name: The Concure Group	Emergency Telephone: 610-864 8502
Address: 18 Campus Blvd, Suite 100 Newton Square, PA 19073	Telephone Number: 800-636-6550
Date Prepared: DECEMBER 2014	Date Updated: March 1, 2017

Section 2: Hazards Identification

HAZARD CLASSIFICATION	
 <p>Skin Irritant 2 Eye Damage 1</p>	<p>GHS05 Corrosion H315 Causes skin irritation H318 Causes serious eye damage</p>
 <p>Acute Toxicity 4 Acute Toxicity 4 Skin Sensitization Carcinogenicity 1A</p>	<p>GHS07 H315 Causes skin irritation H318 Causes serious eye damage H317 May causes an allergic skin reaction H350.A May cause cancer if inhaled</p>
LABEL ELEMENTS	
<p>Hazard Pictogram:</p> 	
<p>Signal Word: Danger Hazard Statements: Corrosive. Harmful. Irritant. H315 - Causes skin irritation H317 - May cause an allergic skin reaction</p>	

H318 – Causes serious eye damage
 H332 – Harmful if inhaled
 H335 – May cause respiratory irritation
 H350.A – May cause cancer if inhaled
 H372.A – Causes damage to organs through prolonged or repeated exposure if inhaled

Precautionary Statements:

P101 – If medical advice is needed, have product container or label at hand
 P102 – Keep out of reach of children
 P202 – Do not handle until all safety precautions have been read and understood
 P233 – Keep container tightly closed
 P234 – Keep only in original container
 P260 – Do not breathe dust/fume/gas/mist/vapors/spray
 P262 – Do not get in eyes, on skin, or on clothing
 P264 – Wash thoroughly with plenty of water immediately after handling
 P270 – Do not eat, drink or smoke when using this product
 P271 – Use only outdoors or in a well-ventilated area
 P280 – Wear protective gloves/protecting clothing/eye protection/face protection
 P284 – Wear respiratory protection
 P314 – Get medical advice/attention if you feel unwell
 P363 – Wash contaminated clothing before reuse
 P391 – Collect spillage
 P402 + P404 – Store in a dry place. Store in a closed container
 P405 – Store locked up
 P501 – Dispose of contents and containers as hazardous waste in accordance with all local, regional, national and international regulations

ADDITIONAL INFORMATION

Hazards not otherwise classified: Not applicable
 8.0% of the mixture consists of ingredient(s) of unknown acute toxicity

Section 3: Composition/Information On Ingredients

Material or Ingredient	CAS#	WT.%
Silica, crystalline, quartz	14808-60-7	50-70
Portland Cement	65997-15-1	30-50

Substances listed in the Sections 8, 11, and 15 that are not listed in Section 2 are only present at quantities below 0.1% for California

Proposition 65 listed toxins and noncarcinogenic pollutants or are inextricably bound in the product

Exact composition percentage/concentration has been withheld as a trade secret in accordance with paragraph (i) of 1910.1200.

Section 4: First-Aid Measures

DESCRIPTION OF THE FIRST AND MEASURE

P301 + P310 + P331 – If SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician
P302 + P352 + P361 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get immediate medical advice/attention
P304 + P311 + P340 + P341 + P341 – IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, remove victim to fresh and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P305 + P313 + P337 + P338 + P351 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
P306 + P360 – IF ON CLOTHING: Immediately rinse contaminated clothing and skin with plenty of water before removing clothes
P314 – Get medical advice/attention if you feel unwell

IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctive. May cause burns in the presence of moisture

Skin: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contacts.

Inhalation: May cause respiratory tract irritation. May cause burns in the presence of moisture

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea, or vomiting

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to Physicians: Symptoms may not appear immediately

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Section 5: Fire-Fighting Measure

FLAMMABILITY
Flammability:
EXTINGUISHING MEDIA
Suitable Extinguishing Media:
Unsuitable Extinguishing Media:
SPECIAL HAZARDS ARISING FROM THE CHEMICAL
Products of Combustion:
Explosion Data:
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS
Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Containment: Contain spill with inert material (sand, vermiculite, etc.) and place in a suitable container. Do not flush to sewer or allow material to enter waterways. Use appropriate Person Protective Equipment (PPE).

Methods for Cleaning-Up: Vacuum or sweep material and place in a disposal container. Provide adequate ventilation.

Section 7: Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

Handling: Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. Do not eat or drink when using. Wash hands before eating, drinking, or smoking. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilations systems in the storage area. (See section 10)

Section 8: Exposure Controls/Personal Protection

CONTROL PARAMETERS

Exposure Guidelines

Ingredient	Occupational Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Silica, crystalline, quartz	((10 mg/m ³)/(%SiO ₂ +2) TWA (resp)) ((30mg/m ³ O)/(%SiO ₂ +2) TWA (total)) ((250)/(%SiO ₂ +5) mppcf TWA (resp))	0.0025 mg/m ³
Portland Cement	15 mg/m ³ (total); 5mg/m ³ (resp)	1 mg/m ³ (no asbestos and <1% crystalline silica, respirable fraction)
Formaldehyde	0.75 ppm TWA (total)	0.37 mg/m ³ C (ceiling)
Acetaldehyde	200 ppm TWA (total)	25 ppm (ceiling)
Vinyl Chloride	1.0 ppm TWA (total)	1 ppm (ceiling)

EXPOSURE CONTROLS

Engineering Controls: Use adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust – or splash – proof chemical safety goggles)/ face (face shield) protection

Skin Protection:

Hand Protection: Wear suitable gloves.

Body Protection: Wear suitable protective clothing

Respiratory Protection: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas of when permissible exposure limits may be exceeded. Respirators should be selected by

and use under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

Section 9: Physical and Chemical Properties

Appearance	Powder
Color	Gray
Odor	Not Available
Odor Threshold	Not Available
Physical State	Solid
pH	Not Available
Melting Point/Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Available
Evaporation Rate	Not Available
Flammability	Not Flammable
Lower Flammability/Explosive Limit	Not Available
Upper Flammability/Explosive Limit	Not Available
Vapor Pressure	Not Available
Vapor Density	Not Available
Relative Density/Specific Gravity	2.7 to 2.9
Solubility	Partial
Partition Coefficient: n-octanol/water	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Oxidizing Properties	Not Available
Explosive Properties	Not Available

Section 10: Stability and Reactivity

REACTIVITY
No dangerous reaction known under conditions of normal use.
CHEMICAL STABILITY
Stable under normal storage conditions. Keep dry in storage.
POSSIBILITY OF HAZARDOUS REACTIONS
No dangerous reaction known under conditions of normal use.
CONDITIONS TO AVOID
Heat. Incompatible materials. Moisture
INCOMPATIBLE MATERIALS
Acids. Ammonium salts. Aluminum. Alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS
May include, and are not limited to: oxides of carbon, sodium, sulfur.

Section 11: Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Symptoms related to physical/chemical/toxicological characteristics:

Eye: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.

Skin: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed, May cause stomach distress, nausea or vomiting

Acute Toxicity:

Ingredient	LC50	LD50
Silica, crystalline, quartz	Not available	Oral 500 mg/kg, rat
Portland Cement	Not available	Not available
Formaldehyde	Inhalation 250mg/m ³ , rat (4hr)	Oral 500 mg/kg, rat
Acetaldehyde	Inhalation 13300 mg/m ³ , (4hr)	Oral 661 mg/kg, rat
Vinyl Chloride	Inhalation 18ppm, (15min)	Oral 500 mg/kg, rat

Calculated overall Chemical Acute Toxicity Values

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
Not available.	Not available.	Not available.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Silica, crystalline, quartz	G-A2, I-1, N-1, O, CP65
Portland Cement	G-A4
Formaldehyde	NTP-R, TLV-A2, EPA-B1, CP65
Acetaldehyde	2B, A3, CP65
Vinyl Chloride	NTP, A1, CP65

(* See Section 15)

DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT-TERM AND LONG-TERM EXPOSURE

Skin Corrosion/Irritation: Cause skin irritation.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory Sensitization: Based on available data, the classification criteria are not met.

Skin Sensitization: May cause an allergic skin reaction.

STOT-Single Exposure: May cause respiratory irritation.

Chronic Health Effects:

Carcinogenicity: May cause cancer.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:

Developmental: Based on available data, the classification criteria are not met.

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Fertility: Based on available data, the classification criteria are not met,

STOT-Repeated Exposure: Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on available data, the classification criteria are not met.

Toxicologically Synergistic Materials: Not available.

Other Information: Not available.



Section 12; Ecological Information

WASTE TREATMENT METHODS
Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
Other Disposal Recommendation: Not available.

Section 14: Transport Information

UN NUMBER
Not regulated.
UN PROPER SHIPPING NAME
Not applicable.
TRANSPORT HAZARD CLASS (ES)
Not applicable.
ENVIRONMENTAL HAZARDS
Not available.
SPECIAL PRECAUTIONS
Do not handle until all safety precautions have been read and understood.

Section 15: Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL															
SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.120) HazCom 2012															
SARA Title III															
Ingredient	Section 302 (EHS) TPQ (lb.)	Section 304 EHS RQ (lb.)	CERCLA RQ (lb.)	Section 313											
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed,	Not listed.											
Portland Cement	Not listed.	Not listed.	Not listed.	Not listed.											
Formaldehyde	500	100	100	50-00-0											
Acetaldehyde	Not listed.	Not listed.	1000	75-07-0											
Vinyl Chloride	Not listed.	Not listed.	1	75-01-4											
California Proposition 65: This product contains a chemical known to the state of California to cause cancer.															
WHMIS Classification(s): Class D2A – Carcinogenicity Class D2A – Chronic Toxic Effects Class D2B – Skin/Eye Irritant Class E – Corrosive Material															
TSCA:		WHMIS Hazard Symbols:													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="padding: 5px;">Ingredient</th> <th style="padding: 5px;">USA TSCA Listed</th> </tr> <tr> <td style="padding: 5px;">Silica, crystalline, quartz</td> <td style="padding: 5px;">Yes.</td> </tr> <tr> <td style="padding: 5px;">Portland Cement</td> <td style="padding: 5px;">Yes.</td> </tr> <tr> <td style="padding: 5px;">Formaldehyde</td> <td style="padding: 5px;">Yes.</td> </tr> <tr> <td style="padding: 5px;">Acetaldehyde</td> <td style="padding: 5px;">Yes.</td> </tr> <tr> <td style="padding: 5px;">Vinyl Chloride</td> <td style="padding: 5px;">Yes.</td> </tr> </table>	Ingredient	USA TSCA Listed	Silica, crystalline, quartz	Yes.	Portland Cement	Yes.	Formaldehyde	Yes.	Acetaldehyde	Yes.	Vinyl Chloride	Yes.	 		
Ingredient	USA TSCA Listed														
Silica, crystalline, quartz	Yes.														
Portland Cement	Yes.														
Formaldehyde	Yes.														
Acetaldehyde	Yes.														
Vinyl Chloride	Yes.														

NFPA National Fire Protection Association		HMIS-Hazardous Materials Identification System	
Health:	1	Health:	2*
Fire:	0	Fire:	0
Reactivity:	0	Reactivity:	0
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme			
* SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:			
CP65	California Proposition 65		
OSHA (O)	Occupational Safety and Health Administration.		
ACGIH (G)	American Conference of Governmental Industrial Hygienists. A1 – Confirmed human carcinogen. A2 – Suspected human carcinogen. A3 – Animal carcinogen. A4 – Not classifiable as a human carcinogen. A5 – Not suspected as a human carcinogen.		
IARC (I)	Internal Agency for Research on Cancer. 1 – The agent (mixture) is carcinogenic to humans. 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. 2B – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.		
NTP (N)	National Toxicology Program. 1 – Known to be carcinogens. 2 – Reasonably anticipated to be carcinogens.		

Section 16: Other Information

Date of Preparation:	December 22, 2014
Version:	1701
Revision Date:	January 2, 2017
Prepared by:	

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.