

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: MVE ² Concrete Slurry – Part B	Product Use: MOISTURE MITIGATION COMPONENT
Manufacturer's Name: The Concure Group	Emergency Telephone: 610-864-8502
Address: 18 Campus Blvd, Suite 100 Newtown Square, PA 19073	Telephone Number: 267-356-7994
Date Prepared: DECEMBER 2014	Date Updated: January 2, 2017

SECTION 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION



Skin Irritant 2
Eye Damage 1

GHS05 Corrosion
H315 Causes skin irritation.
H318 Causes serious eye damage.



Acute Toxicity 4
Acute Toxicity 4
Skin Sensitization 1
Carcinogenicity 1A

GHS07
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction
H350.A May cause cancer if inhaled.

LABEL ELEMENTS

Hazard Pictogram:



Signal Word: Danger

Hazard Statements: Corrosive. Harmful. Irritant.

- H315 – Causes skin irritation.
- H317 – May cause an allergic skin reaction.
- 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/protective 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 container 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 AID MEASURE

- P301 + P310 + P330 + 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 + P342 – 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 air 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 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. 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 MEASURES

FLAMMABILITY

Flammability: Not flammable by WHMIS/OSHA criteria.

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Treat for surrounding material. Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

SPECIAL HAZARDS ARISING FROM THE CHEMICAL

Products of Combustion: May include, and are not limited to: oxides of carbon, nitrogen and sulfur.

Explosion Data: **Sensitivity to Mechanical Impact:** Not available.

Sensitivity to Static Discharge: Not available.

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 Personal 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 the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by 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 ventilation 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)) ((30 mg/m ³)/(%SiO ₂ +2) TWA (total)) ((250)/(%SiO ₂ +5) mppcf TWA (resp))	0.025 mg/m ³
Portland cement	15 mg/m ³ (total); 5 mg/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
<p>Engineering Controls: Use adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.</p>

INDIVIDUAL PROTECTIVE MEASURES
<p>Personal Protective Equipment:</p> <p>Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.</p> <p>Skin Protection:</p> <p style="padding-left: 20px;">Hand Protection: Wear suitable gloves.</p> <p style="padding-left: 20px;">Body Protection: Wear suitable protective clothing.</p> <p>Respiratory Protection: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used 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).</p> <p>General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.</p>

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



SAFETY DATA SHEET

MVE² Concrete Slurry – Part B

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:



SAFETY DATA SHEET

MVE² Concrete Slurry – Part B

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

ECOTOXICITY

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

PERSISTENCE AND DEGRADABILITY

Not available.

BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not available.

MOBILITY IN SOIL

Not available.

OTHER ADVERSE EFFECTS

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
Other Disposal Recommendations: 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 1910.1200) 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.

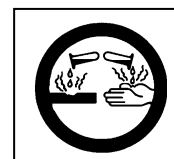
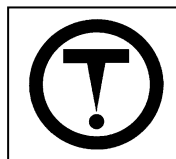
WHMIS Classification(s):

- Class D2A – Carcinogenicity
- Class D2A - Chronic Toxic Effects
- Class D2B - Skin/Eye Irritant
- Class E – Corrosive Material

TSCA:

Ingredient	USA TSCA LISTED
Silica, crystalline, quartz	Yes.
Portland Cement	Yes.
Formaldehyde	Yes.
Acetaldehyde	Yes.
Vinyl Chloride	Yes.

WHMIS Hazard Symbols:





NFPA National Fire Protection Association	
Health:	1
Fire:	0
Reactivity:	0

HMIS-Hazardous Materials Identification System	
Health:	2*
Fire:	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) International 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) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

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:	

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