



Epoxy Cove Mortar Kit Safety Data Sheet

SDS Revision Date: 5/4/2023

1. Product and Company Identification

Product Name	Epoxy Cove Mortar Kit
Product Codes	Epoxy Cove Mortar Kit
Manufacturer	Concrete Floor Solutions, Inc.
Street Address	6801 Tilghman Street #113
City, State, Zip	Allentown, PA 18106
Information Phone	610-366-0208
Emergency Phone	Chemtrec 800-424-9300
Prepared By	Jason Kehnel
Date Revised	5/4/2023
Chemical Name or Class	Epoxy Mixture

2. Hazards Identification

GHS Classification: Serious eye damage/eye irritation category 2A, skin irritation category 2, skin sensitizer category 1, long term hazards to aquatic environment category 2

GHS Label Elements and Precautionary Statements:

Label Elements: Exclamation Mark, Aquatic Toxicity



Hazard Statements:

Warning: Causes serious eye irritation.

Warning: Causes skin irritation

Warning: May cause an allergic skin reaction

Toxic to aquatic life with long lasting effects

Precautionary statements:

P102 Keep out of reach of children.

P103 Read label before use

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

Response

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

Other Non-classifiable potential hazards

Carcinogen category 2

HMIS Hazard Classification

Health: 1 Flammability: 1 Reactivity: 0 Personal Protective Equipment: B

Potential Health Effects

Eyes: May cause irritation but no corneal injury is likely.

Skin: May cause irritation or allergic skin response.

Ingestion: This material has a probable low acute oral toxicity.

Inhalation: No guide for control known, however, exposure to heated vapors can cause irritation to the nose, throat or mucous membranes.

Health Hazards (Acute and Chronic): Epoxy resins can cause sensitization by exposure through contact or high concentrations of vapor. Eyes: injury is unlikely but stain for evidence of corneal injury.

Medical conditions generally aggravated by exposure: Respiratory conditions or other allergic ailments.

Carcinogenicity

OSHA: No

NTP: No

IARC: Yes

Additional Carcinogenicity Information: Some colors may contain carbon black - Explanation of Carcinogenicity for carbon - IARC Monographs on Evaluation of Carcinogenic risk of chemicals to man, VOL 65, PG 149, 1996: GROUP 2B. Titanium dioxide is listed by IARC as possibly carcinogenic to humans (group 2B).

3. Composition/Information on Ingredients

Ingredient	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	Weight %
Modified Diglycidyl Ether of Bisphenol A	25068-38-6	NONE	NONE	NONE	60-100
Alkyl Glycidyl Ether	68609-97-2	NONE	NONE	NONE	10-30
(fluoroaliphatic polymeric esters) contains 2-propenoic acid, 2-[Methyl](nonafluorobutyl) sulfonyl]amino]ethyl ester, telomere with methyloxirane polymer with oxirane di-2-propenoate and methyloxirane polymer with oxirane mono-propenoate	1017237-78-3	NONE	NONE	NONE	<0.3
(fluoroaliphatic polymeric esters) contains 1-Methanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-n-(2-hydroxyethyl)-N-methyl-	34454-97-2	1 mg/m3 (skin)	NONE	NONE	<0.1
(fluoroaliphatic polymeric esters) contain 2-propenoic acid, 2-[methyl]nonafluorobutyl)sulfonyl]amino]ethyl ester	67584-55-8	NONE	NONE	NONE	<0.1
(fluoroaliphatic polymeric esters) contains polyether polymer	NJTSRN 04499600-6437	NONE	NONE	NONE	<0.1
(fluoroaliphatic polymeric esters) contains 2-methoxymethylethoxy propanol	34590-94-8	600 mg/m3 (skin)	100 PPM	150 PPM	<0.1
(fluoroaliphatic polymeric esters) contain toluene	108-88-3	200 PPM	20 PPM	300 PPM	<0.1
Naphtha, petroleum, heavy	64742-82-1	NONE	NONE	NONE	0.1-1
2-ethyl-1-hexanol	104-76-7	NONE	NONE	NONE	0.1-1
*glycol ether 2-butoxyethanol	111-76-2	25 PPM	25 PPM	NONE	<0.5
Proprietary additive	NJTSRN 800963-5170	NONE	NONE	NONE	0.1-1
Precipitated silica	112926-00-8	NONE	80 mg/m3	NONE	1-5
Colors may contain @ 5-10%:					
Titanium Dioxide	13463-67-7	10 mg/m3	10 mg/m3	5 mg/m3	
*Carbon	1333-86-4	3.5 PPM	3.4 PPM	NONE	<1.0

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Precipitated Silica	112926-00-8	NONE	80 mg/m3	NONE	
Iron III Oxide	1309-37-1	10 mg/m3	5 mg/m3	NONE	
Yellow Pigment	Not Available	NONE	NONE	NONE	
Zinc Sulfide (Component of Yellow Pigment)	1314-98-3	NONE	NONE	NONE	
Barium Sulfate (Component of Yellow Pigment)	7727-43-7	NONE	NONE	NONE	
Titanium Dioxide (Component of Yellow Pigment)	13463-67-7	NONE	NONE	NONE	
Pigment Yellow 65 (Component of Yellow Pigment)	6528-34-3	NONE	NONE	NONE	
Iron III Hydroxide	20344-49-4	15 mg/m3	5 mg/m3	NONE	
C.I. Pigment Blue	147-14-8	1 mg/m3	1 mg/m3	NONE	
Aluminum Oxide	1344-28-1	15 mg/m3	10 mg/m3	NONE	
Silica, Amorphous	7631-86-9	80 mg/m3	10 mg/m3	NONE	
Iron Oxide Yellow	51274-00-1	15 mg/m3	10 mg/m3	NONE	
Silica, Amorphous	7631-86-9	80 mg/m3	10mg/m3	NONE	

SECTION 3 NOTES:

*Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

4. First Aid Measures

Eyes: Flush eyes with water for at least 15 minutes and consult a physician.

Skin: Skin contact will normally cause no more than irritation but wash affected areas with soap and water and remove contaminated clothing promptly.

Ingestion: Low in toxicity, induce vomiting only if large amounts of material are ingested, and otherwise do not induce vomiting. In either case consult with a physician.

Inhalation: Remove to fresh air and administer oxygen if necessary.

Notes to physicians or first aid responders:

5. Fire Fighting Measures

Flammable limits in air Upper: N/A

(% by volume) Lower: N/A

Flash point 200+F

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Method used	Seta Flash
Extinguishing media	Foam, Alcohol Foam, CO2, Dry Chemical, Water Fog
Special Fire Fighting Procedures	Do not enter a confined area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water.
Unusual Fire and Explosion Hazards	None known.

6. Release Measures

Steps to be taken in case material is released or spilled: Wear respirator and protective clothing. Shut off the source at the leak. Remove excess with a vacuum truck and take up the remainder with an absorbent such as clay, and place in disposal containers. Flush area with water to remove residue.

7. Handling and Storage

Precautions to be taken in handling and storage - Store in a cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the MSDS of all the components prior to using material. Properly label all containers.

Other precautions - Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof.

8. Exposure Controls/Personal Protection

Respiratory protection - Use a NIOSH approved respirator as required to prevent over exposure to vapor in accordance with 29 CFR 1910.134. General exhaust is usually sufficient in lieu of a NIOSH respirator.

Ventilation - General exhaust is usually sufficient to control vapors and exposure hazards

Protective gloves - Impervious gloves, neoprene or rubber.

Eye protection - Splash goggles or glasses with side shields.

Other protective clothing or equipment - Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Work hygienic practices - Observe good general hygienic practices.

See Section 3 for occupational exposure limit values

9. Physical and Chemical Properties

Appearance and Odor - Low viscosity liquid, amber color

Boiling Point or Range - 200 to 375 F

Vapor Density (Air = 1) - N/A

Specific Gravity (H₂O = 1) - 1.1

Evaporation Rate - N/A

Solubility in Water - Negligible

Odor Threshold - N/A

pH - N/A

Melting Point/Freezing Point - N/A

Vapor Pressure - N/A

Auto Ignition Temperature - N/A

Partition Coefficient: n-octanol/water - N/A

Decomposition Temperature- N/A

10. Stability and Reactivity

Stability - Stable.

Conditions to Avoid (Stability) - Avoid excessive heat or open flames.

Incompatibility (Material to Avoid) - Can react vigorously with strong oxidizing agents and strong lewis acids or mineral acids.

Hazardous Decomposition or By-Products - CO₂, Aldehydes, Acids. Reaction with some curing agents can generate large amounts of heat.

Hazardous Polymerization - Will not occur.

11. Toxicological Information

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Moderate sensitizer, slight eye irritant, moderate skin irritant, Oral LD₅₀ >5000 mg/kg (rat), Dermal LD₅₀ >6000 mg/kg (rabbit)

Component CAS# 68609-97-2: possible sensitizer, eye and skin irritant, Oral LD₅₀ >10000 mg/kg (rat), Inhalation LD₅₀ – no microscopic changes

Component CAS# 64742-82-1: Acute Oral Toxicity LD₅₀ >5000 mg/kg; Acute Dermal Toxicity LD₅₀ rabbit >3000 mg/kg; Acute inhalation Toxicity LC₅₀ rat >11.6 mg/l; Skin Irritation rabbit – moderate skin irritation.; Eye Irritant – Rabbit.

Component Carbon: IARC lists carbon as a possible human carcinogen Category 2B. LD₅₀ – Intravenous, mouse = 440 mg/kg

Component Titanium Dioxide: Inhalation 4 h LC₅₀ > 6.82 mg/l; Oral LD₅₀ > 5000 mg/kg, rat; In February 2006, IARC listed titanium dioxide as possibly carcinogenic to humans Group 2B.

Component CAS# 112926-00-8: LD₅₀ (rat >5000 mg/kg, LD₅₀ dermal (rat) >2000 mg/kg

12. Ecological Information

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

(fluoroaliphatic polymeric esters) Ecological information not determined, Chemical fate information not determined.

Component Titanium Dioxide: Pimephales promelas (fathead minnow) < 1000 mg/l @ 96h LC50; Pseudokirchneriella subcapitata (green algae) 61 mg/l @ 72h EC50; Daphnia magna (water flea) > 1000 mg/l @ 48h EC50

Component CAS# 112926-00-8: Ecotoxicity: EC50 (fish) .10000 mg/l (daphnia >10000 mg/l

13. Waste Disposal

Waste Disposal Method: Dispose of material in a waste disposal site in accordance with local, state, and federal law.

14. Transport Information

DOT: Not Regulated

IMO/IMDG: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer), 9, PGIII, Marine Pollutant

15. Regulatory Information

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list,; is on the PA Right to Know List;

Component CAS# 68609-97-2: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, Is on the New Jersey Right to Know list; is on the PA Right to Know List.

Fluoroaliphatic Polymeric Esters: may contain trace amounts of Section 313 toxic chemicals toluene CAS# 108-88-3. Components on TSCA list or in compliance. Contains chemicals that can cause birth defects or other reproductive harm. The Ingredients are on DSL Canada, China's inventory of chemical substances, EINECS, Korean Existing Chemical Inventory Toluene is a California proposition 65 chemical (female reproductive toxin, developmental toxin) This component contains a TSCA section 12(b) chemical (CAS# 1017237-78-3), but is in a quantity less than 0.3%.

Component CAS# 111-76-2: Section 313 toxic Chemical. Section 311 hazard category – Chronic fire, On TSCA list. May contain trace components of benzene, toluene, ethylbenzene and NJTSRN 800963-5170 and contains chemicals known to the state of California to cause cancer and birth defects. All components on the DSL Canada

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Component CAS# 64742-82-1 – on TSCA and on Canada DSL

Component Carbon: Contains Proposition 65 Chemicals .Carbon: is listed on TSCA and DSL Canada

Component Titanium Dioxide: Contains Proposition 65 Chemicals, is on the PA Hazardous substance list, is on the NJ right to know Regulated chemical List.

Titanium Dioxide is in inventory or in compliance with EINECS, TSCA, AICS, DSL, ENCS (JP), KECI (KR), PICCS (PH) and INV (CN).

Component CAS# 112926-00-8: Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECSC, EINECS, ENCS, KECI, NZLOC, PICCS, TSCA,

Component CAS# 104-76-7: Component is on the TSCA list and Canada DSL list.

Component Proprietary Additive-NJT SRN 800963-5170: Component is non hazardous and is on the TSCA list and Canada DSL list.

16. Other Information

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available

See Section 1 for date of preparation

1. Product and Company Identification

Product Name	Epoxy Mortar Kit
Product Codes	Epoxy Mortar Kit
Manufacturer	Concrete Floor Solutions, Inc.
Street Address	6801 Tilghman Street #113
City, State, Zip	Allentown, PA 18106
Information Phone	610-366-0208
Emergency Phone	Chemtrec 800-424-9300
Prepared By	Jason Kehnel
Date Revised	5/4/2023
Chemical Name or Class	Polyamine mixture

2. Hazards Identification

GHS Classification: Skin corrosion/irritation category 1, skin sensitizer category 1B, serious eye damage category 1, acute hazard to aquatic environment category 3, chronic hazards to aquatic environment category 2

GHS Label Elements and Precautionary Statements:

Label Elements: Exclamation Mark, Corrosion, Aquatic Toxicity



Hazard Statements:

Danger: Causes severe skin burns and eye damage

Warning: May cause an allergic skin reaction

Danger: Causes serious eye damage

Harmful to aquatic life

Toxic to aquatic life with long lasting effects

Precautionary statements:

P102 Keep out of reach of children.

P103 Read label before use

P260 Do not breathe dust/fume/gas/mist/vapors/spray P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

Response;

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P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P321 If skin irritation or burns develop, Call a doctor/physician .

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 If in eyes, immediately call a POISON CENTER or doctor/physician.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.

HMIS Hazards Classification

Health: 2 Flammability: 1 Reactivity: 0 Personal Protective Equipment: G

Potential Health Effects

Eyes: Will cause burn to the eyes. High vapor concentrations can cause severe irritation to the eyes.

Skin: May cause irritation or possible burns to the skin.

Ingestion: Liquid can cause severe damage to mucous membranes if swallowed.

Inhalation: High concentrations of vapor can cause irritation to the respiratory tract, nausea, and dizziness.

Health Hazards (acute and chronic): Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.

Medical conditions generally aggravated by exposure: Respiratory conditions or other allergic ailments.

Carcinogenicity

OSHA: No NTP: No IARC: No

Additional carcinogenicity information:

No listed ingredients of this product are regulated as carcinogens.

3. Composition/Information on Ingredients

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Ingredient	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	Weight %
Benzyl Alcohol	100-51-6	NONE	NONE	NONE	30-60
3-Aminomethyl-3,5,5-Trimethyl Cyclohexane	2855-13-2	NONE	NONE	NONE	30-60
2-Hydroxybenzoic Acid	69-72-7	NONE	NONE	NONE	7-13
Precipitated Silica	112926-00-8	NONE	80 mg/m3	NONE	1-5

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

4. First Aid Measures

Eyes: Immediately flush eyes with water for at least 15 minutes while lifting upper and lower lids. Get immediate medical assistance.

Skin: Flush skin with water for at least 15 minutes and remove all contaminated clothing immediately. Get medical attention if reddening or swelling occurs.

Ingestion: Do not induce vomiting. Dilute by giving water or milk to drink if the victim is conscious. Get medical attention immediately.

Inhalation: Remove victim to fresh air and administer oxygen if necessary.

5. Fire Fighting Measures

Flammable limits in air,
(% by volume)

Upper: not available

Lower: not available

Flash point:

200+ F

Method used:

Seta flash

Extinguishing Media:

Foam, Alcohol Foam, CO2, Water Fog

Special Fire Fighting Procedures:

Toxic fumes will be evolved when this material is involved in a fire. A self contained breathing apparatus should be available for fire fighting. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards:None known.

6. Release Measures

Steps to be taken in case material is released or spilled: Avoid contact with material. Wear the appropriate safety equipment. Stop spill at source, dyke area to prevent spreading. Pump liquid to salvage tank. Take up remainder with clay or other absorbent and place in disposal containers.

7. Handling and Storage

Precautions To Be Taken In Handling And Storage: Avoid all skin contact. Avoid breathing vapors. Reseal partially used containers. Properly label all containers. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Observe conditions of good industrial hygiene and safe working practices.

Other Precautions: Mixed materials contain the hazards of all the components, therefore, read the MSDS of all components to become familiar with all hazards prior to using the product.

8. Exposure Controls/Personal Protection

Respiratory protection: NIOSH approved respirator protection required in the absence of proper environmental controls. For emergencies a self-contained breathing apparatus or a full face respirator is recommended.

Ventilation: Avoid breathing vapors. ventilation must be sufficient to control vapors.

Protective gloves: Impervious gloves – neoprene or rubber

Eye protection: Splash goggles or glasses with side shields.

Other protective clothing or equipment: Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Work hygienic practices: Observe good general hygienic practices.

See section 3 for occupational exposure limit values.

9. Physical and Chemical Properties

Appearance and odor: Amber clear liquid with amine odor

Boiling point or range: 401 to 477 F

Vapor density (air = 1): N/A

Specific gravity (h₂o = 1): 1.0

Evaporation rate: N/A

Solubility in water: Negligible

Odor threshold: N/A

pH: N/A

Melting point/freezing point: N/A

Vapor pressure: N/A

Auto ignition temperature: N/A

Partition coefficient: n-octanol/water: N/A

Decomposition temperature: N/A

10. Stability and Reactivity

Stability: Stable.

Conditions to avoid (stability): Avoid contact with open flames and all sources of ignitions and sparks.

Incompatibility (material to avoid): Avoid contact with strong oxidizing agents, mineral acids, and epoxy resins in uncontrolled amounts.

Hazardous Decomposition or by-products: Co, CO₂, NOX

Hazardous Polymerization: Will not occur.

11. Toxicological Information

No data for the product itself.

Component data:

Component Benzyl Alcohol: Inhalation LC₅₀ (4hr) >4178 mg/l (rat), Dermal LD₅₀ 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed Adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two year study with rats and mice.

Component CAS# 2855-13-2: Oral LD₅₀ rat 1030 mg/kg, Skin irritation – Corrosive category 1C where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days. Eye irritation – Risk of serious damage to eyes. Product Sensitization (Magnusson-Kingman test) guinea pig: may cause sensitization by skin contact. Product Teratogenicity oral rat NOEL (no observed effect level) 250 mg/kg

Component CAS# 69-72-7: Acute Oral Toxicity LD₅₀ (rat) = 891 mg/kg (behavioral somnolence (general depressed activity, Behavioral muscle weakness)). Acute Inhalation LC₅₀ (rat) >900 mg/m³, 1 hr. Acute Dermal LD₅₀ (rabbit) >10,000 mg/kg. Skin Irritation (rabbit) – mild skin irritation -24hr. Eye Irritation (rabbit) – severe eye irritation.

Component CAS# 112926-00-8: LD₅₀ (rat >5000 mg/kg, LD₅₀ dermal (rat) >2000 mg/kg

12. Ecological Information

No data for the product itself.

Component data:

Component Benzyl Alcohol: EC₅₀ (48hr) 400 mg/l Daphnia Magna, EC₅₀ (72hr) 2600 mg/l Algae, Biodegradation BOD₂ 62. Slightly or not bioaccumulative. Toxicity to fish: LC₅₀ (96 hr) 10 mg/l Bluegill sunfish (*Lepomis macrochirus*), LC₅₀ (96hr) 460 ml/l Fathead minnow (*Pimephales promelas*), Toxicity to Algae: IC₅₀ (72hr) 700 mg/l

Component CAS# 2855-13-2: Biodegradability 42% and is not readily biodegradable.

Bioaccumulation: - no significant accumulation of the substance in organisms is to be expected.

Mobility: The soil mobility of the substance is only minimally affected by adsorption to soil components. Toxicity to fish: LC₅₀ *Lauciscus idus* 110 mg/l (96hr). Toxicity to Daphnia NOEC 3 mg/l (504hr). EC₅₀ *Daphnia magna* 23 mg/l (48 hr). ErC₅₀ *scenedesmus subspicatus* 50 mg/l (72 hr). NOEC *scenedesmus subspicatus* 1.5 mg/l (72 hr). Toxicity to bacteria: EC₁₀

Pseudomonas putida 1120 mg/l (18 hr).

Component CAS# 69-72-7: Toxicity to Fish LC50 (Leuciscus idus – 96 mg/l. Toxicity to Daphnia magna – 105 mg/l, 24 hr. Component Mutagenic Effects: Mutagenic for bacteria and/or yeast. Developmental toxicity: Classified reproductive system toxin/female, development toxin possible.

Component CAS# 112926-00-8: Ecotoxicity: EC50 (fish) .10000 mg/l (daphnia >10000 mg/l

13. Waste Disposal

Waste Disposal Method: Dispose of material as a hazardous waste according to federal, state, and local regulations.

14. Transport Information

DOT: UN1760, Corrosive Liquid N.O.S. (Contains Isophorone Diamine), 8, PG III

IMO/IMDG: UN1760, Corrosive Liquid N.O.S. (Contains Isophorone Diamine, Benzyl Alcohol), 8, PG III, Marine Pollutant

15. Regulatory Information

No data for the product itself.

Component data:

Component Benzyl Alcohol: E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada

Component CAS# 2855-13-2: Acute health hazard. Ingredients on TSCA. International Chemical status listed/registered – EINECS/ELINCS, DSL, AICS, MITI, TCOL, PICCS, China, New Zealand.

Component CAS# 69-72-7: Component is on the Pennsylvania and New Jersey right to know lists. Components are on the TSCA and Canada DSL lists.

Component CAS# 112926-00-8: Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECSC, EINECS, ENCS, KECI, NZLOC, PICCS, TSCA,

16. Disclaimer

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available

See Section 1 for date of preparation

1. Product and Company Identification

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Product Codes	Epoxy Cove Mortar Kit
Manufacturer	Concrete Floor Solutions, Inc.
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Information Phone	610-366-0208
Emergency Phone	Chemtrec 800-424-9300
Prepared By	Jason Kehnel
Date Revised	5/4/2023
Chemical Name or Class	Sand

2. Hazards Identification

GHS Classification: Carcinogenicity category 1, specific target organ toxicity following repeated exposure category 1, specific target organ toxicity (single exposure) category 3

GHS Label Elements and Precautionary Statements:

Label Elements: Health Hazard, Exclamation Mark



Hazard Statements:

DANGER: May cause cancer

DANGER: Causes damage to organs through prolonged or repeated exposures (lungs, respiratory system)

WARNING: May cause respiratory irritation.

Precautionary statements:

P102 Keep out of reach of children.

P103 Read label before use

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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P261 Avoid breathing dust/fume/gas/mist/vapors/spray P271 Use only outdoors or in a well-ventilated area.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P405 Store locked up

P403 + P233 Store in a well-ventilated place. Keep the container tightly closed.

Disposal:

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

HMIS Hazards Classification

Health: 2 Flammability: 0 Reactivity: 0 Personal Protective Equipment: E

Potential Health Effects

Eyes: May cause reddening of the eyes or eye irritation from airborne particles.

Skin: None known.

Ingestion: None known.

Inhalation: Prolonged exposure to respirable crystalline quartz may cause delayed lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in some applications such as sand blasting.

Health Hazards (acute and chronic): May cause delayed silicosis or rapid silicosis in some occupations such as sandblasting, silicosis is a form of a disabling pulmonary fibrosis which can be progressive and could lead to death. Inhalation may lead to lung scarring and massive fibrosis which could be accompanied by right heart enlargement, heart failure, or pulmonary failure, smoking aggravates the effects of exposure.

Medical conditions generally aggravated by exposure: Respiratory conditions or other allergic ailments can be aggravated by exposure.

Carcinogenicity

OSHA: No

NTP: Yes

IARC: Yes

Additional carcinogenicity information: IARC has determined that crystalline silica inhaled in the form of quartz is carcinogenic to humans (group 1-carcinogenic to humans.) The NTP classifies respirable crystalline silica as reasonably anticipated to be a carcinogen.

3. Composition/Information on Ingredients

Ingredient	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	Weight %
Silicon Dioxide	14808-60-7	0.05 mg/m3	0.025 mg/m3	0.05 mg/m3	100

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present

FOLLOW OSHA HAZARD COMMUNICATION RULE 29 CFR SECTIONS 1910.1200, 1915.99, 1917.28, 1918.9, 1926.59, AND STATE AND LOCAL COMMUNITY RIGHT TO KNOW LAWS. WE RECOMMEND THAT SMOKING BE PROHIBITED IN AREAS WHERE RESPIRATORS MUST BE USED.

4. First Aid Measures

Eyes: Flash eyes with water for at least 15 minutes and consult a physician if conditions warrant.

Skin: Skin contact will normally cause no health risks.

Ingestion: If ingested, consult a physician.

Inhalation: Remove victim to fresh air and administer oxygen if necessary.

5. Fire Fighting Measures

Flammable limits in air, Upper: Not available
(% by volume) Lower: Not available

Flash point: N/A

Method used: N/A

Extinguishing Media: Other

Special Fire Fighting Procedures: Crystalline silica is neither a fire nor an explosion hazard.

Unusual fire and explosion hazards: None known.

6. Release Measures

Steps to be taken in case material is released or spilled: Wear a respirator and use dustless handling equipment to clean up large spills, place in suitable containers for disposal. Flush area with water after pickup of material.

7. Handling and Storage

Precautions To Be Taken In Handling And Storage: Store in a cool dry place. Properly label all containers and reseal all partially used containers. Avoid creating any dust when working with this material.

Other Precautions: Avoid breathing dust generated from the material. Observe conditions of good general hygiene and safe working practices. Provide training for your employees relating to

occupational exposure to quartz dust. See ASTM Standard E1132-86 Standard Practice for Health Requirements relating to exposure to quartz dust. If better than 500 x pel, use a self contained breathing apparatus. If sandblasting, use any type ce supplied air respirator with a full face piece or hood.

8. Exposure Controls/Personal Protection

Respiratory protection: Use a NIOSH approved respirator as required to prevent over-exposure to quartz dust. Provide sufficient exhaust to keep exposure levels below the ACGIH PEL.

Ventilation: Use exhaust sufficient to maintain airborne particulates below the ACGIH PEL limits established.

Protective Gloves: N/A

Eye Protection: Splash goggles or glasses with side shields.

Other Protective Clothing or Equipment: Provide any equipment necessary to prevent the inhalation of quartz dust.

Work Hygienic Practices: Observe good general hygienic practices.

See Section 3 For Occupational Exposure Limit Values

9. Physical and Chemical Properties

Appearance and odor: White or tan sand granular crushed or ground - no odor

Boiling point or range: N/A

Vapor density (air = 1): N/A

Specific gravity (h₂o = 1): 2.6

Evaporation rate: N/A

Solubility in water: Insoluble in water

Odor threshold: N/A

pH: N/A

Melting point/freezing point: N/A

Vapor pressure: N/A

Auto ignition temperature: N/A

Partition coefficient: n-octanol/water: N/A

Decomposition temperature: N/A

10. Stability and Reactivity

Stability: Stable.

Conditions to avoid (stability): Contact with powerful oxidizing agents such as fluorine, chlorine, trifluoride, manganese trioxide, oxygen trifluoride.

Incompatibility (material to avoid): Can react vigorously with strong oxidizing agents - see conditions to avoid.

Hazardous decomposition or by-products: Silica will dissolve in hydrochloric acid to form a corrosive gas - silicon tetrafluoride.

Hazardous polymerization: Will not occur.

11. Toxicological Information

Silicon dioxide: Inhalation and retention of respirable crystalline silica can cause silicosis in several forms, chronic, accelerated or acute. Acute silicosis can occur with exposures to high concentrations of respirable crystalline silica over a very short time period, the symptoms of acute silicosis include progressive shortness of breath, fever, cough, and weight loss. Acute silicosis can be fatal. IARC concluded that there was sufficient evidence in humans for the carcinogenicity of crystalline silica in the form of quartz (Group 1). Exposure to respirable crystalline silica can also be associated with autoimmune disease, tuberculosis, kidney damage, and non-malignant respiratory disease. For further information, the NIOSH Hazard Review-Occupational Effects of Occupational Exposure to Respirable Crystalline Silica published in April of 2002 should be reviewed.

12. Ecological Information

Silicon Dioxide: There is no data that suggests that crystalline silica is toxic to birds, fish, invertebrates, microorganisms or plants.

13. Waste Disposal

Waste Disposal Method: Dispose of material in a waste disposal site in accordance with federal, state, and local regulations.

14. Transport Information

DOT: Not Regulated

IMO/IMDG: Not Regulated

15. Regulatory Information

Silicon Dioxide: risk phrases: R 48/20 Harmful – Danger of serious damage to health by prolonged exposure through inhalation. Safety Phrases: S 22 – Do not breathe dust and S 38 – In case of insufficient ventilation, wear suitable respiratory equipment

Crystalline Silica (Silicon Dioxide) is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance.

Crystalline Silica (Silicon Dioxide) is on the Canada DSL – WHMIS Classification D2A

Crystalline Silica is on the Australian Inventory of Chemicals Substances list, Japan Ministry of International Trade and Industry list, Korea Existing Chemicals Inventory with registry number 9212-5667 and the Philippines Inventory of Chemicals and Chemical Substances list.

16. Other Information

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate. However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available

See Section 1 for date of preparation

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