



Asphalt Patch
Safety Data Sheet
SDS Revision Date: 6/19/2024

1. Product and Company Identification

Product Name	Asphalt Patch Part A
Product Codes	Asphalt Patch Part A
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	6/19/2024
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:

Acrylic Sealer / SDS Revision Date: 6/19/2024

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

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 ingredients of this product are regulated as carcinogens.

Carcinogenicity

OSHA: No

NTP: No

IARC: Yes

Additional carcinogenicity information:

N/A

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

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

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

4. First Aid Measures

Eyes: Immediately flush eyes with water for 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, otherside do not induce vomiting. In either case, immediately consult a physician.

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

5. Fire Fighting Measures

Flammable limits in air (Upper: N/A
(% by volume) Lower: N/A)

Flash point 200+ F

Method used Seta Flash

Extinguishing media Foam, Alcohol Foam, CO2, Dry Chemical, Water Fog

Special fire fighting procedures Do not enter confined fire 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 No unusual fire hazards 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 can not 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 clear or colors.

Boiling Point or Range - 200+ F

Vapor Density (Air = 1) - N/A

Specific Gravity (H₂O = 1) - 1.1

Evaporation Rate - Not available

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

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

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 SUBSTANCES, 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.

EPA SARA Title III Section 313 components above the de minimis level: none

16. Other Information

DISCLAIMER: THE INFORMATION 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	Asphalt Patch Part B
Product Codes	Asphalt Patch Part B
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	6/19/2024
Chemical Name or Class	Polyamine/Coal Tar Mixture

2. Hazards Identification

GHS Classification: Acute inhalation category 4, Acute oral toxicity category 4, Acute dermal toxicity category 4, Skin corrosion category 1B, Serious eye damage category 1, Skin sensitization category 1, Specific target organ toxicity – single exposure category 3, Carcinogen category 1B, Germ cell mutagenicity category 2, Toxic to reproduction category 1B, Acute hazard to aquatic environment category 2, Aquatic hazard with long lasting effects category 2

GHS Label Elements and Precautionary Statements:

Label Elements: Health Hazard, Exclamation Mark, Corrosion, Aquatic Toxicity



Acrylic Sealer / SDS Revision Date: 6/19/2024

Hazard Statements:

Warning: Harmful if inhaled.

Warning: Harmful if swallowed

Warning: Harmful in contact with skin

Danger: Causes severe skin burns and eye damage

Warning: May cause an allergic skin reaction

Danger: Causes serious eye damage

Warning: May cause respiratory irritation.

Danger: May cause cancer

Warning: Suspected of causing genetic defects.

Danger: May damage fertility of unborn child

Toxic 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.

P264 Wash hands thoroughly after handling.

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

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.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves and clothing to prevent skin contact.

P271 Use only outdoors or in a well-ventilated area.

P201 Obtain special instructions before use.

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

P273 Avoid release to the environment.

Response;

P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

P330 Rinse mouth.

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

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

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

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.

Acrylic Sealer / SDS Revision Date: 6/19/2024

P310 Immediately call a POISON CENTER or doctor/physician.

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.

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

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

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.

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

P391 Collect spillage.

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.

Other Non-classifiable potential hazards

Acute inhalation toxicity category 2 (This product contains a component that is toxic by inhalation and can be fatal if inhaled when aerosolized or sprayed. If the product is not being sprayed or aerosolized, the inhalation toxicity is not applicable. The product is not intended to be sprayed or aerosolized,

HMIS Hazard Classification

Health: 3 Flammability: 1 Reactivity: 0 Personal Protective Equipment: G

Potential Health Effects

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

Skin: Will cause burns to the skin. If not washed off the skin and when accentuated by sunlight burns can result.

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. Overexposure may result in acute toxic effects, respiratory difficulty, convulsions, and possible cardiovascular collapse.

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

Coal Tar Pitch Emergency Overview: (Danger This product is carcinogenic to humans. Repeated or prolonged contact with skin may cause dermatitis and hyperpigmentation of skin. Avoid breathing dust/fume/gas/mist/vapors and sprays. This product is irritating to the eyes, the skin

and the respiratory tract. Exposure to sun may enhance the irritating effect of coal tar pitch on skin and eyes and lead to burns. High vapor concentrations may cause dizziness. Use in well-ventilated areas. Avoid prolonged and/or repeated contact including vapors. If appropriate, respiratory protection and other personal protective equipment should be used.)

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

Carcinogenicity

OSHA: Yes

NTP: Yes

IARC: Yes

Additional carcinogenicity information:

Coal Tar: Frequent, prolonged, or occasional but intensive contact with the skin over a many year period. In the absence of recommended hygiene practices, it may lead to skin pigmentation, benign skin growths, and in some cases may result in skin cancer. Coal tar pith is an IARC group 1 human carcinogen, an ACGIH A1 known human carcinogen.

3. Composition/Information on Ingredients

Ingredient	Cas No.	OSHA PEL	ACGIH TLV	OSHA STEL	Weight %
Diethylenetriamine	111-40-0	1 ppm	1 ppm	NONE	3-7
*Bisphenol A	80-05-7	NONE	NONE	NONE	1%
Nonyl Phenol	84852-15-3	NONE	NONE	NONE	10-30
N-Aminoethylpiperazine	140-31-8	NONE	NONE	NONE	10-30
*Coal Tar Pitch	65996-93-2	.2 mg/m3	.2 mg/m3	NONE	65%

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

Regulatory standard - NIOSH criteria document, coal tar pitch products. USEPA - 40 CFR 112. (CAS# 65996-93-2 represents the benzene soluble fraction for coal tar pitch volatiles.

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

4. First Aid Measures

Eyes: Immediately flush eyes with large amounts of 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 to fresh air and administer oxygen if necessary.

5. Fire Fighting Measures

Flammable limits in air (% by volume)	Upper: N/A Lower: N/A
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	Water fog is recommended for control of unconfirmed fire, but water may cause frothing or eruption in closed tanks.

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 the 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 skin areas thoroughly (do not use solvents to wash skin) 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 this product.

8. Exposure Controls/Personal Protection

Respiratory protection: NIOSH approved respirator protection required in the absence of pepper 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 - Black liquid with amine odor

Boiling Point or Range - 560-631 F

Vapor Density (Air = 1) - N/A

Specific Gravity (H₂O = 1) - 1.1

Evaporation Rate - Not available

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 water when in confined areas, oxidizing agents, mineral acids, and epoxy resins in controlled amounts.

Hazardous Decomposition or By-Products - CO, CO₂, NO_x

Hazardous Polymerization - Will not occur

11. Toxicological Information

No data for the product itself.

Component data:

Component CAS# 111-40-0: inhalation: LC₅₀ (4hr) <0.3 mg/l (rat); Skin: LD₅₀ >5000 mg/kg (rabbit) Ingestion: LD₅₀ 2960 mg/kg (rat). Severe Eye irritation, Moderate skin irritation, May cause sensitization by skin contact or inhalation.

Component CAS# 80-05-7: Ingestion LD₅₀ Oral (rat) = 3250 mg/kg. Irritation Data Skin (rabbit) 500 mg/24 hr (mild irritation effects. Irritation data eyes (rabbit) 0.25mg/24 hr (severe irritation effect). Skin contact or inhalation may cause sensitization. Components may impair fertility based on toxicology of similar products.

Acrylic Sealer / SDS Revision Date: 6/19/2024

Component CAS# 140-31-8: Draize test, rabbit, eye: 20 mg/24H Moderate; Draize test, rabbit, skin: 5 mg/24H Severe;

Oral, rat: LD50 = 2140 uL/kg; Skin, rabbit: LD50 = 880 uL/kg; Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65. May cause Sensitization by skin contact.

Component Nonyl Phenol: Median Lethal Dose Oral: LD50 0.58g/kg (rat) moderately toxic. Dermal LD50 2.14g/kg (rabbit) slightly toxic. Skin Draize Test, rabbit, 500 mg/m³ 24hr – corrosive. Eyes Draize test rabbit, 57.00/110 – extremely irritating. Component is a possible risk of impaired fertility.

COMPONENT COAL TAR PITCH CAS# 65996-93-2: Acute Toxicity LD50 (rat) >5000 mg/kg. Dermal: This component is positive for carcinoma and papillomas. Inhalation: Tumors (lungs, bladder, kidneys, other).

The following toxicity data has been determined for Crude Coal Tar by using the information available for its components applied to the guidance on the preparation of an SDS under the requirements of the GHS:

Notes:

- a. No LC50 or LD50 has been established for Crude Coal Tar (as Tar, Coal high temp) as a mixture:
 - Causes respiratory tract irritation
- b. The following Skin Irritation information was found for Crude Coal Tar (as Tar, Coal high temp):
 - Irritating
- c. The following Eye Irritation information was found for Crude Coal Tar (as Tar, Coal high temp):
 - Causes eye irritation
- d. The following Skin Sensitization information was found for Crude Coal Tar (as Tar, Coal high temp):
 - Photosensitizing
- e. No Germ Cell Mutagenicity data available for Crude Coal Tar (as Tar, Coal high temp) as a mixture.
- f. Carcinogenicity: IARC and NTP list Crude Coal Tar (as Tar, Coal high temp) as a category 1A carcinogen. Classified by IARC and the European Commission as a Known Human Carcinogen. The above toxicity information was determined from available scientific sources to illustrate the prevailing posture of the scientific community. The scientific resources includes: The American Conference of Governmental Industrial Hygienist (ACGIH) Documentation of the Threshold Limit Values (TLVs) and Biological Exposure indices (BEIs) with Other Worldwide Occupational Exposure Values 2009, The International Agency for Research on Cancer (IARC), The National Toxicology Program (NTP) updated documentation, the World Health Organization (WHO) and other available resources, the International Uniform Chemical Information Database (IUCLID), European Union Risk Assessment Report (EU-RAR), Concise International Chemical Assessment Documents (CICAD), European Union Scientific Committee for Occupational

Exposure Limits (EU-SCOEL), Agency for Toxic Substances and Disease Registry (ATSDR), Hazardous Substance Data Bank (HSDB), and International Programme on Chemical Safety (IPCS).

12. Ecological Information

Component CAS# 80-05-7: Acute Ecotoxicity tests LC50 (fathead minnow) 96 hr = 4.6 mg/l. LC50 (daphnia magna) 48 hr = 3.9 mg/l. LC50 (algae) 96 hr = 2.73 mg/l.

Component Nonyl Phenol: Ecotoxicity: Daphnia EC50: 0.14-0.44 mg/l, 48 hr. Component is not readily biodegradable, log Pow: 3-4. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.. Aquatic Toxicity LC50 96 hr, toxicity rating is <0.10 ppm – extremely toxic

COMPONENT COAL TAR PITCH CAS# 65996-93-2: Ecotoxicity: NOEC >1 g/l (Daphnia magna). NOEC > 1 g/l (Chlorella sp). Persistence and Degradability: Evidence exists for biodegradation processes. Bioaccumulative potential: The product has potential for bioaccumulation. Individual Coal tar components of the product have been found to be absorbed by plants from soil.

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 DIETHYLENETRIAMINE, N-AMINOETHYLPIPERAZINE, COAL TAR, NONYL PHENOL), 8, PG III, MARINE POLLUTANT

IMO/IMDG: UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS DIETHYLENETRIAMINE, N-AMINOETHYLPIPERAZINE, COAL TAR, NONYL PHENOL), 8, PG III, MARINE POLLUTANT

15. Regulatory Information

Component CAS# 111-40-0: on TSCS List, OSHA hazard class – Irritant. Regulatory List: On TSCA, on EINECS, DSL, AICS, ENCS, ECL, SEPA, PICCS.

Component CAS# 80-05-7: This component is subject to SARA section 313 reporting requirements. Components are on TSCA EINECS, AICS, ENCS, ECL, SEPA, PICCS and Canada DSL lists.

Component CAS# 140-31-8: Component is listed on the TSCA inventory. Components can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts.

Component contains no California Prop 65 Significant Risk Level: and none of the chemicals in this product are listed. Components are listed on the Canadian DSL list, EINECS, AICS, ENCS, ECL, SEPA, PICCS lists.

Acrylic Sealer / SDS Revision Date: 6/19/2024

Component Nonyl Phenol: This component is listed on TSCA, EINECS, ACIS, MITI and Canada DSL lists.

COMPONENT COAL TAR PITCH CAS# 65996-93-2: TSCA: All components listed or polymer exempt.

This product and/ or its constituents are subject to the following regulations:

OSHA Regulations: OSHA has not established a substance-specific standard for occupational exposure to Crude Coal Tar. However, exposures are regulated under OSHA Air Contaminants Standard (29 CFR1910.1000 Table Z-1) as Coal Tar Pitch Volatiles (CTPV).

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372 - as marked. The remaining chemicals are designated hazardous chemicals with reportable quantities.

CAS #	Chemical Name	Percent by Weight
218-01-9 (40 CFR 302.4)	Chrysene	0.5-0.8
56-55-3 (40 CFR 302.4)	1,2-Benzanthracene	0.5-1.0
50-32-8 (40 CFR 302.4)	Benzo(a)pyrene	0.4-0.7
205-99-2 (40 CFR 302.4)	Benzo(b)Fluoranthene	0.03-0.7
132-64-9 (40 CFR 302.4)	Dibenzofuran	0.4-0.7
83-32-9 (40 CFR 302.4)	Acenaphthene	0.4-0.8
120-12-7 (SARA 313)	Anthracene	0.7-1.0
206-44-0 (40 CFR 302.4)	Fluoranthene	1.5-2.5
85-01-8 (SARA 313)	Phenanthrene	1-3
91-20-3 (SARA 313)	Naphthalene	0.8-1.5
53-70-3 (40 CFR 302.4)	Dibenz (a,h) anthracene	0.007-0.11
193-39-5 (40 CFR 302.4)	Indeno (1,2,3-cd) pyrene	0.5-1.0
92-52-4 (40 CFR 302.4)	Biphenyl	0-0.2
Category No. N590	Polycyclic aromatic compounds (PACs)	4.8-8.5
129.00.0 (SARA 302) (40 CFR 355)	Pyrene	1-2

State Regulations: The product, Crude Coal Tar as a whole, is not listed in any state regulations.

However, individual components of the product are listed in various state regulations:

Acrylic Sealer / SDS Revision Date: 6/19/2024

- Pennsylvania Right to Know: Crude Coal Tar as a whole is not listed. However, individual components of the product are listed.
- California Prop. 65: Crude Coal Tar as a whole is not listed. However, individual components of the product are listed.
- New Jersey: Crude Coal Tar as a whole is not listed. However, individual components of the product are listed.
- Minnesota: Crude Coal Tar as a whole is not listed. However, individual components of the product are listed.
- Massachusetts: Crude Coal Tar as a whole is not listed. However, individual components of the product are listed.

Other regulations: Crude Coal Tar as a whole may not be listed in other regulations. However, individual components may be listed, check appropriate regulations for further regulatory compliance.

WHMIS Classification (Canadian): Crude Coal Tar (listed as Tar Decanter Sludge) is listed as a D2A.

16. Other Information

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N/A = Not Available

See Section 1 for date of preparation

1. Product and Company Identification

Product Name	Asphalt Patch Part C
Product Codes	Asphalt Patch Part C
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	6/19/2024

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:

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.

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 Hazard 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 would 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/m ³	0.025 mg/m ³	0.05 mg/m ³	100

*No toxic chemical(s) subject to the reporting requirements of section 313 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: Flush 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 to fresh air and administer oxygen if necessary.

5. Fire Fighting Measures

Flammable limits in air	Upper: N/A
(% by volume)	Lower: N/A
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 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 full face piece or hood.

Safety phrases

S22 Do not breathe dust

S25 Avoid contact with eyes

S38 In case of insufficient ventilation wear suitable respiratory equipment

S39 Wear eye/face protection

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 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 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 - Not available

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.

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 THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

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 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.

Acrylic Sealer / SDS Revision Date: 6/19/2024

N/A = Not Available

See Section 1 for date of preparation

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