

# Material Safety Data Sheet

PC CONCRETE EPOXY, PART A

MSDS No. 110224-37

Date of Preparation: 2-24-2011

Revision: 1

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** PC Concrete Epoxy, part A

**Chemical Formula:** Mixture

**CAS Number:** Mixture

**General Use:** Adhesive

**Manufacturer:** Protective Coating Company, 221 S. Third St., Allentown, PA 18102-4922, Emergency Phone 1-800-255-3924, International + 01 or +001-813-248-0585 (Please call collect if necessary) (24 Hr) CHEM-TEL  
Contact Phone (610)432-3543, FAX (610)432-5043 (9AM-5PM EST)

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	PEL	TLV	STEL
Diglycidyl Ether of Bisphenol A	25085-99-8	NE	NE	NE
Ethylene Glycol (parts A, B)	107-21-1	C 50 ppm	C 100ppm	NE
Silica, crystalline (parts A, B)	14808-60-7	0.1mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	NE

## Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

**HMIS**  
**H** 2  
**F** 1  
**R** 0  
**PPE** †B  
†Sec. 8

### Potential Health Effects

#### Acute Effects

**Inhalation:** none

**Eye:** moderate eye irritation or sensitization.

**Skin:** moderate skin irritation or sensitization.

**Ingestion:** possible irritation.

**Carcinogenicity:** IARC, NTP, and OSHA do not list PC Concrete Epoxy, Part A as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** skin and eye conditions.

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air.

**Eye Contact:** Flush with water, consult a physician.

**Skin Contact:** Wash with water, consult a physician.

**Ingestion:** Seek medical advice.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

## Section 5 - Fire-Fighting Measures

**Flash Point:** >300° F

**Flash Point Method:** Closed Cup

**Flammability Classification:** IIIB

**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemicals.

**Unusual Fire or Explosion Hazards:** None known.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, aldehydes

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dispose of in normal manner.

**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Handling Precautions:** None

**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles.

### Section 9 - Physical and Chemical Properties

**Physical State:** Paste

**Appearance and Odor:** White, mild odor

**Density:** 11.7 lbs./ gallon

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.4

**Water Solubility:** Insoluble in water

**Other Solubilities:** alcohols

**Boiling Point:** No data

**% Volatile:** < 1 %

### Section 10 - Stability and Reactivity

**Stability:** PC Concrete Epoxy, Part A is stable.

**Polymerization:** Hazardous polymerization cannot occur.

### Section 11- Toxicological Information

Lethal Dose Information(mg/kg)		Oral	Skin	Inhale	LC5
Bisphenol A Epoxy Resin		>5000 rat	20000 rabbit	N/EST	N/EST
Ethylene Glycol		4700 rat	10626 rabbit	N/EST	N/EST

### Section 12 - Ecological Information

**Ecotoxicity:** No data

**Environmental Fate:** No data

**Environmental Degradation:** No data

**Soil Absorption/Mobility:** No data

### Section 13 - Disposal Considerations

**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

#### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not regulated

**Shipping Symbols:** Not applicable.

**Hazard Class:** Not Hazardous

**Packing Group:** Not determined

**Label:** Not required

**Special Provisions (172.102):**

None

**ID No.:** Not applicable.

## Section 15 - Regulatory Information

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), Not listed.

SARA 311/312 Codes: None.

SARA Toxic Chemical (40 CFR 372.65): Not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance, none

**State Regulations:**

## Section 16 - Other Information

**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

**Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, faceshield, and gloves.

**Prepared By:** Charles Moloney

**Revision Notes:**

**Notes:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions- in addition to those described herein- are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

**Disclaimer:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

# Material Safety Data Sheet

PC CONCRETE EPOXY, PART B

MSDS No. 111222-38

Date of Preparation: 12-22-2011

Revision:2

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** PC Concrete Epoxy, part B

**Chemical Formula:** Mixture

**CAS Number:** Mixture

**General Use:** Adhesive

**Manufacturer:** Protective Coating Company, 221 S. Third St., Allentown, PA 18102-4922, Emergency Phone 1-800-255-3924, International + 01 or +001-813-248-0585 (Please call collect if necessary) (24 Hr) CHEM-TEL  
Contact Phone (610)432-3543, FAX (610)432-5043 (9AM-5PM EST)

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	PEL	TLV	STEL
n-aminoethylpiperzine	140-31-8	NE	NE	NE
Nonyl phenol	84852-15-3	NE	NE	NE
Ethylene Glycol (parts A, B)	107-21-1	C 50 ppm	C 100ppm	NE
Silica, crystalline (parts A, B)	14808-60-7	0.1mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	NE
Liquid Polyamide Resin	68082-29-1	NE	NE	NE

## Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

### Potential Health Effects

#### Acute Effects

**Inhalation:** none

**Eye:** moderate eye irritation or sensitization.

**Skin:** moderate skin irritation or sensitization.

**Ingestion:** possible irritation.

**Carcinogenicity:** IARC, NTP, and OSHA do not list PC Concrete Epoxy, Part B as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** skin and eye conditions.

HMIS

H 3

F 1

R 0

PPE<sup>†B</sup>

<sup>†</sup>Sec. 8

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air.

**Eye Contact:** Flush with water, consult a physician.

**Skin Contact:** Wash with water, consult a physician.

**Ingestion:** Seek medical advice.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

## Section 5 - Fire-Fighting Measures

**Flash Point:** >200° F, (93° C)

**Flash Point Method:** Closed Cup

**Flammability Classification:** IIIB

**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemicals.

**Unusual Fire or Explosion Hazards:** None known.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, aldehydes

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

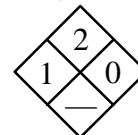
**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

**Unusual Fire or Explosion Hazards:**

**Hazardous Combustion Products:**

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

NFPA



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dispose of in normal manner.

**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Handling Precautions:** None

**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems if product is sanded or ground.

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles.

### Section 9 - Physical and Chemical Properties

**Physical State:** Paste

**Appearance and Odor:** black, slight amine odor.

**Density:** 8.4 lbs./ gallon

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.05

**Water Solubility:** Insoluble in water

**Other Solubilities:** alcohols

**Boiling Point:** No data

**% Volatile:** < 1.5 %

### Section 10 - Stability and Reactivity

**Stability:** PC Concrete Epoxy, Part B is stable.

**Polymerization:** Hazardous polymerization cannot occur.

### Section 11- Toxicological Information

Lethal Dose Information(mg/kg)		Oral (mg/kg)	Skin (mg/kg)	Inhale	LC50
Ethylene Glycol		4700 rat	10626 rabbit	N/EST	N/EST
N-Aminoethyl piperzine		2150 rat	900 rabbit	No data	No data
Nonylphenol		580 rat	2140 rabbit	No data	No data

### Section 12 - Ecological Information

**Ecotoxicity:** No data

**Environmental Fate:** No data

**Environmental Degradation:** No data

**Soil Absorption/Mobility:** No data

### Section 13 - Disposal Considerations

**Disposal:** Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

## Section 14 - Transport Information

**DOT Shipping Information:**

**CARTRIDGE** - Consumer commodity, ORM-D

**BULK** – Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III

**IATA/ICAO Shipping name:**

**CARTRIDGE:** Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III, Ltd Qty, MarinePollutant

**BULK:** Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III. MarinePollutant

## Section 15 - Regulatory Information

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

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SARA 311/312 Codes: None.

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**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance, none

**State Regulations:**

## Section 16 - Other Information

**Storage Requirements:** Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

**Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities.

Wash contaminated goggles, faceshield, and gloves.

**Prepared By:** Charles Moloney

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**Disclaimer:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.