



PRODUCT NAME: CarboBond™ 200P, Part-A

CHEMICAL FAMILY: Epoxy Resin Mixture

SECTION 1 – IDENTIFICATION

MANUFACTURER'S NAME: CarboShield, Inc

ADDRESS: 2820 E. Fort Lowell Rd., Tucson, AZ 85716

INFORMATION PHONE: 520-292-3109

EMERGENCY CONTACT: (Infotrac): 800-535-5053

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Epoxy resin solution. Certain individuals may have pre-existing skin or respiratory conditions causing a sensitivity or allergy which manifests as various reactions. Heating or spraying this product or the mixed parts increases potential health hazards. Health and Safety personnel should examine the handling procedures and remedy any existing or potential health and safety hazards.

POTENTIAL HEALTH EFFECTS:

EYE:

- May cause irritation.

SKIN:

- May cause irritation. Low dermal absorption hazard.

INGESTION:

- May inflame or damage the G.I. tract. Ingestion may be harmful.

INHALATION:

- May cause irritation.

CHRONIC EFFECTS:

- Repeated exposure may cause irritation and sensitization.

SIGNS & SYMPTOMS:

- Skin rash, irritation, reddening, or eczema; breathing irritation or difficulty.



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Bisphenol A Reaction Product	>80	25085-99-8	N/E
Alkyl Glycidyl Ether	<15	68609-97-2	N/E
Calcium Carbonate	>5	471-34-1	N/E

SECTION 4 – FIRST-AID MEASURES

◆USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS◆

EYE:

- Hold eyelids apart and flood with copious amounts of water. Seek medical attention.

SKIN:

- Remove excess product. Wash thoroughly with soap and water. If irritation persists, seek medical attention.

INGESTION:

- Do not induce vomiting unless directed by medical personnel. Seek medical attention.

INHALATION:

- Remove to fresh air. Seek medical attention.



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SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT: 177°C 350°F UEL: N/A LEL: N/A VAPOR DENSITY: N/A

NFPA FLAMMABILITY RATING: 1 AUTOIGNITION: 300°C 570°F

COMBUSTION PRODUCTS: CO, CO₂, NO_x, & misc. hydrocarbons.

SPECIAL HAZARDS: Pre-sensitization to epoxy.

EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, water fog.

FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Isolate spill area. Keep out of sewer and storm drains. Stop the leak and contain the spill. Vacuum, scoop, or absorb spill with non-combustible materials. Clean up spill residues with soap and water.

SECTION 7 – HANDLING AND STORAGE

Avoid skin and eye contact and breathing vapors or mists by appropriate measures. Do not eat or smoke while handling this product. Wash thoroughly after handling or exposure to this product.

Store in original sealed container at ambient temperatures (55°-95° F) in dry, well-ventilated areas.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

For Personal Exposure Limits (PEL), Threshold Limit Values (TLV) or other exposure limits, see Sec. 3.

GENERAL: Provide ventilation that will keep airborne concentration at a minimum.

EYE/FACE: Safety glasses or splash goggles with face shield.

SKIN: Butyl or nitrile rubber chemical gloves. Don chemical resistant clothing where exposure may occur.

RESPIRATORY: Provide adequate ventilation in work area. Use NIOSH respirator (organic vapor cartridges) where local ventilation is inadequate. Provide laminar flow ventilation where possible.

OTHER: Decontaminate or discard clothing and materials that have come in contact with this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: pigmented paste

VAPOR PRESS: N.D.A.

BOILING PT: >300°F

ODOR: slightly sweet

SPECIFIC GRAVITY: 1.28

MELT PT: N/A

PHYSICAL STATE: paste

pH: N.D.A.

SOLUBILITY IN H₂O: slightly

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Strong acids, caustics, oxidizers, and epoxy hardeners in an uncontrolled condition.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

SECTION 11 – TOXICOLOGICAL INFORMATION

Oral: N.D.A.

Dermal: N.D.A.

Inhalation: N.D.A.



PRODUCT NAME: CarboBond™ 200P, Part-A

CHEMICAL FAMILY: Epoxy Resin Mixture

Carcinogens under OSHA, ACGIH, NTP, IARC, or Other: None ≥ 0.1%.

SECTION 12 – ECOLOGICAL INFORMATION

N.D.A.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable federal, state, and local laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT: Not Regulated.

IATA: Not Regulated

IMO:

SECTION 15 – REGULATORY INFORMATION

OSHA: 29 CFR 1910.1200 Hazardous Chemical "Irritant", "Sensitizer".

TSCA: Ingredients listed.

SARA III: Sec311 & 312 Immediate Health Hazard; Sec313 Not listed.

CA PROP. 65 NOTICE: None.

NFPA: Health 1 Fire 1 Reactivity 0 Other N/A

CANADIAN REGULATORY INFORMATION

WHMIS: Hazard Classification: Class D2B Skin Sensitizer. Refer to SDS for specific warnings.

WHMIS Symbols: Stylized T.

WHMIS Trade Secret Registry Numbers: None.

Hazardous Products Act Information: This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).



SECTION 16 – OTHER INFORMATION

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; NE = not established

Disclaimer: The data set forth in this sheet are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. CarboShield makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.



PRODUCT NAME: CarboBond™ 200P, Part-B

CHEMICAL FAMILY: Polyethylenepolyamine Mixture

SECTION 1 – IDENTIFICATION

MANUFACTURER'S NAME: CarboShield, Inc

ADDRESS: 2820 E. Fort Lowell Rd., Tucson, AZ 85716

INFORMATION PHONE: 520-292-3109

EMERGENCY CONTACT: (Infotrac): 800-535-5053

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Corrosive epoxy hardener. Certain individuals may have pre-existing skin or respiratory conditions causing a sensitivity or allergy which manifests as various reactions. Heating or spraying this product or the mixed parts increases potential health hazards. Health and Safety personnel should examine the handling procedures and remedy any existing or potential health and safety hazards.

POTENTIAL HEALTH EFFECTS:

EYE:

- Can cause irritation. Significant, prolonged, or repeated contact can damage the cornea.

SKIN:

- Can cause irritation. Significant, prolonged, or repeated exposure can cause severe irritation.

INGESTION:

- Can inflame or damage the G.I. tract. Ingestion can be harmful.

INHALATION:

- Can cause irritation. Significant, prolonged, or repeated exposure to mist or vapor can damage the respiratory system.

CHRONIC EFFECTS:

- Repeated exposure can cause irritation and sensitization.

SIGNS & SYMPTOMS:

- Skin rash, irritation, reddening, or eczema; Breathing irritation or difficulty. Sensitization.



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Polyoxypropylenediamine	<45	9046-10-0	N/E
Isophoronediamine	<20	2855-13-2	N/E
Rubber Polymer	>5	68683-29-4	N/E
Proprietary Amine Blend	<20	N/A	N/E
Petroleum Distillates	<1	64742-47-8	N/E *
			(* 300 ppm supplier recommended)

SECTION 4 – FIRST-AID MEASURES

◆USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS◆

EYE:

- Hold eyelids apart and flood with copious amounts of water. Seek medical attention.

SKIN:

- Remove excess product. Wash thoroughly with soap and water. If irritation persists, seek medical attention.

INGESTION:



PRODUCT NAME: CarboBond™ 200P, Part-B

CHEMICAL FAMILY: Polyethylenepolyamine Mixture

- Do not induce vomiting unless directed by medical personnel. Seek medical attention.

INHALATION:

- Remove to fresh air. Seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT: >138°C >280°F

UEL: N.D.A.% LEL: N.D.A.

VAPOR DENSITY: N.D.A.

NFPA FLAMMABILITY RATING: 1 AUTOIGNITION: N.D.A.

COMBUSTION PRODUCTS: CO, CO₂, NO_x, & misc. hydrocarbons

SPECIAL HAZARDS: Firefighters should wear butyl rubber boots, gloves, and body suit with SCBA. May generate toxic and irritating combustion products. Use DOT Response Guide #153.

EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, water fog.

FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Isolate spill area. Keep out of sewer and storm drains. Stop the leak and contain the spill. Vacuum, scoop, or absorb spill with non-combustible materials. Clean up spill residues with soap and water.

SECTION 7 – HANDLING AND STORAGE

Avoid skin and eye contact and breathing vapors by appropriate measures. Do not eat or smoke while handling this product. Wash thoroughly with soap and water after handling or exposure to this product.

Store in original sealed container at ambient temperatures (65°-80°F) in dry, well-ventilated areas.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

For Personal exposure Limits (PEL), Threshold Limit Values (TLV), or other exposure limits, see Sec.3.

GENERAL: Provide adequate ventilation that will keep airborne concentration at a minimum.

EYE/FACE: Safety glasses or splash goggles with face shield.

SKIN: Chemical resistant gloves. Don chemical resistant clothing where exposure may occur.

RESPIRATORY: NIOSH approved respirator with organic vapor/HEPA filter cartridges.

OTHER: Decontaminate or discard clothing and materials that have come in contact with this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Blue paste

ODOR: faint amine

PHYSICAL STATE: paste

pH: alkaline VAPOR PRESS: N.D.A.

VAPOR DENSITY: N.D.A. SPECIFIC GRAVITY: 1.07

BOILING PT: N.D.A.

MELT PT: N/A

SOLUBILITY IN H₂O: moderate

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Strong oxidizers, acids, epoxy resins in uncontrolled conditions; contact with other unpolymerized monomers or polymers.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.



CarboShield

SAFETY DATA SHEET

CarboBond™ 200P, Part-B

DATE: 03/10/2020

PRODUCT NAME: CarboBond™ 200P, Part-B

CHEMICAL FAMILY: Polyethylenepolyamine Mixture

SECTION 11 – TOXICOLOGICAL INFORMATION

Oral: N.D.A.
Dermal: N.D.A.
Inhalation: N.D.A.
Carcinogen under OSHA, ACGIH, NTP, IARC, or Other: None \geq 0.1%.

SECTION 12 – ECOLOGICAL INFORMATION

N.D.A.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable federal, state, and local laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT: Amines, Liquid, Corrosive, n.o.s. (Polyoxypropylenediamine), 8, UN 2735 PGIII
IATA: Regulated.
IMO: Regulated.

SECTION 15 – REGULATORY INFORMATION

OSHA: 1910.1200 Hazardous Chemical "Irritant", "Sensitizer".
TSCA: Contains listed ingredients.
SARA III: Sec311 & 312 Immediate Health Hazard; Sec313 Chemicals above de minimus level: None.
CA PROP. 65 NOTICE: None Listed.
VOLATILE ORGANIC COMPOUND (VOC) %: Zero.
NFPA: HEALTH 3 FIRE 1 REACTIVITY 0 OTHER N/A



WHMIS: Hazard Classification: Class D Division 2A, Class D Division 2B, Class E Corrosive.
WHMIS Symbols: Stylized T.
Trade Secrets: N/A.
Hazardous Products Act Information: This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).

SECTION 16 – OTHER INFORMATION

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; NE = not established

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