

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POWERCRETE R120 Part B
CHEMICAL/FAMILY NAME: Modified Polyamine
PRODUCT TYPE: Epoxy Hardener/Treated fumed silica
PRODUCT/MSDS DISTRIBUTION: United States

MANUFACTURER: Berry Plastics
DIVISION: Corrosion Protection Group
ADDRESS: 11010 Wallisville Road,
Houston, TX, 77013

Health	3
Flammability	1
Reactivity	0
Protective Equipment	X

EMERGENCY TELEPHONE NUMBER: CHEMTREC 1-800-424-9300
OTHER TECHNICAL/HEALTH/SAFETY INFORMATION: (713) 676-0085

SECTION II - HAZARDOUS INGREDIENTS

Specific Chemical Name:

- Specific chemical identity of this component is confidential.**
CAS Number: Proprietary
Common Name: Modified amine
Exposure Limits:
OSHA PEL: Not established
ACGIH TLV: Not established
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA.
- Trimethylhexamethylenediamine**
CAS Number: 25620-58-0
Common Name: Not available
Exposure Limits:
OSHA PEL: Not established
ACGIH TLV: Not established
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA.
- Phenol**
CAS Number: 108-95-2
Common Name: Not available

Exposure Limits:
OSHA PEL: 5 ppm, skin
ACGIH TLV: 5 ppm, skin
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA.

4. **Paratertiarybutylphenol**
CAS Number: 98-54-4
Common Name: Not available
Exposure Limits:
OSHA PEL: Not established
ACGIH TLV: Not established
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA.

5. **DIETHYLENETRIAMINE (DETA)**
CAS Number: 111-40-0
Common Name: DETA
Exposure Limits:
OSHA PEL: 1.0000 ppm
ACGIH TLV: 1.0000 ppm
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA.

6. **BENZYL ALCOHOL**
CAS Number: 100-51-6
Common Name: Benzyl alcohol
Exposure Limits:
OSHA PEL: Not established
ACGIH TLV: Not established
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA.

- 7 **4,4'METHYLENE BIS CYCLOHEXANAMINE**
CAS Number: 1761-71-3
Common Name: Amine
Exposure Limits:
OSHA PEL: Not established
ACGIH TLV: Not established
Carcinogenicity: This chemical has not been reviewed for carcinogenicity by NTP, IARC, or OSHA

SECTION III - PHYSICAL DATA

Appearance and Odor: Opaque, light yellow/brown paste, amine odor.
Boiling Point: N/A
Decomposition Temperature: Greater than 392°F (200°C).
Solubility in Water: Slightly miscible.
Specific Gravity: 1.01 (water=1) or 8.3 lbs/gallon at 77°F (25°C).
Vapor Pressure: <20.68 mm Hg at 70°F (21°C).
pH : Alkaline

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Greater than 200°F (93°C) closed cup.
Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.
Fire Fighting Procedures - Special: Use self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

SECTION V - REACTIVITY DATA

Stability: Stable.
Incompatibility: Strong oxidizers and acids.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides. Nitrogen oxide can react with water vapors to form corrosive nitric acid (TLV=2 ppm). Carbon monoxide in a fire. Carbon dioxide in a fire. Ammonia when heated. Nitrogen oxides in a fire. Irritating and toxic fumes at elevated temperatures. Nitric acid in a fire. Nitrosamines. Aldehydes. The oxides of nitrogen gases (except nitrous oxide) emitted on decomposition are highly toxic.
Hazardous Polymerization: Will not occur

SECTION VI - HEALTH HAZARD DATA

Primary Routes of Exposure: Dermal.
Oral LD50: (Rat) >500 mg/kg (estimate)
Dermal LD50: (Rat) 699 mg/kg (component) (Toxic by skin contact).
Inhalation LC50: (Rat) > 0.18 mg/l air 4 hours. No deaths at 14 days.
Sensitization: Potential sensitizer. (Guinea pig) No sensitization observed.
Skin Irritation: Corrosive. Causes burns.
Eye Irritation: Corrosive. Causes burns.
Medical Conditions Aggravated by Exposure : Allergy, eczema, or skin conditions.
Overexposure Effects: Overexposure can cause chemical burns to the skin and eyes and may result in blindness. Vapors may be severely irritating to the respiratory tract. Considered to be a dermal toxicant. May affect the central nervous system, liver, and kidneys.
Emergency and First Aid Procedures:
Eyes: Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, flush for an additional 15 minutes. Get immediate medical attention.
Skin: Under a safety shower, immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing before reuse and destroy contaminated shoes.
Ingestion: Immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.
Inhalation: Remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.
Other: Promptly remove wet contaminated non-impervious clothing, wash before reuse. Destroy contaminated leather and absorbent shoes.

SECTION VII - SPILL OR LEAK PROCEDURES

Spill Procedures: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.
Ecotoxicity: Discharge to river may kill fish. Waste from this product may present long-term environmental hazards, thus landfill disposal must be considered less acceptable than incineration.

Waste Disposal Methods: Polymerize in bucket. Add 100 parts of Powercrete R120 Part A to 16 parts of Powercrete R120 Part B by weight, or 4 parts Part A to 1 part Part B by volume, and thoroughly mix. Set outdoors until the mixture is set up and cooled down, dispose in accordance with Federal, State, and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Good general mechanical ventilation and local exhaust.
Protective Gloves: Wear impervious gloves.
Eye Protection: Wear splash-proof chemical goggles.
Respiratory Protection: Organic chemical cartridge respirator, if needed.
Other Protective Equipment: Wear appropriate equipment to prevent probability of skin or eye contact.

SECTION IX - SPECIAL PRECAUTIONS

Emergency Overview : **WARNING!**

Corrosive to eyes and skin.
Harmful if absorbed through skin.
May cause dermatitis and sensitization and have effects on the central nervous system, liver, and kidneys.
Avoid contact with eyes, skin, and clothing.
Do not breathe vapor, mist, or spray.
Store in tightly closed containers in dry area.
Use only with adequate ventilation.
Individuals should wash thoroughly after handling.
FOR INDUSTRIAL USE ONLY.

SECTION X - REGULATORY INFORMATION

DOT: Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (cycloaliphatic amine)
Shipment per 49 CFR 171.11 NAERG guide no:153
Hazard Class: DOT/IATA/ICAO: 8
IMDG/IMO: 8
ID Number: UN 2735
Packing Group: III
Label Required: Corrosive
OSHA Status: This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

TSCA Inventory Status: Chemical components listed on TSCA Inventory.
SARA/Title III: Section 313 – Toxic Chemicals: This product is (or contains) a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).
108-95-2 Phenol <7.5% concentration
This information must be included on all MSDS's that are copied and distributed for this material.

RCRA: Not a hazardous waste under RCRA (40 CFR 261).
CERCLA: RQ 7000 lbs (U188).
EPA SARA Title III Section 312 (40CFR370) hazard class Immediate Health Hazard. Delayed Health Hazard.
EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are None

STATE REGULATIONS

PROPOSITION 65 SUBSTANCES (component(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986")

None

NEW JERSEY TRADE SECRET REGISTRY NUMBER (S)

05995500-(H2071U)

New Jersey Right-to-Know: The following is required composition information:

1. Generic Name : Modified amine
NJ Number: 29943300001-5707P
2. Chemical Name: Phenol
CAS Number: 108-95-2
3. Chemical name: Trimethylhexamethylenediamine
CAS Number: 25620-58-0
4. Generic name : cycloaliphatic amine
NJ Number: 05995500-(C2264U)

Pennsylvania Right-to-Know: The following is required composition information:

1. Chemical Name: Phenol
CAS Number: 108-95-2
Comments: Environmental hazard
2. Chemical Name: Confidential
Generic Name: Modified amine
Comments: Not on Pennsylvania Hazardous Substance List.
3. Chemical Name: Trimethylhexamethylenediamine
CAS Number: 25620-58-0
Comments: Not on Pennsylvania Hazardous Substance List.

INTERNATIONAL REGULATIONS

CANADA

DSL

Included on inventory

WHMIS HAZARD CLASSIFICATION

Class D Division 2A, Class D Division 2B, Class E Corrosive

WHMIS INGREDIENT DISCLOSURE LIST

DIETHYLENETRIAMINE (DETA)
PARATERTIARYBUTYLPHENOL
BENZYL ALCOHOL

WHMIS TRADE SECRET REGISTRY NUMBER (S)

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

None

WHMIS SYMBOLS

Test tube/hand, Stylized T

EUROPEAN ECONOMIC COMMUNITY (EEC)

EINECS/ELINCS MASTER INVENTORY

Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.

EEC SYMBOL

CORROSIVE (C), DANGEROUS FOR THE ENVIRONMENT, (N)

EEC RISK (R) PHRASES

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment (R51/53.) May cause sensitization by skin contact (R43.) Causes burns (R34.) Harmful if swallowed (R22.)

EEC SAFETY PHRASES

In case of contact with eyes, rinse immediately with plenty of water and seek



Oficinas en Estados Unidos

Polyken
1211 San Dario Ave. No. 1481
Laredo, Tx. 78040
Tel. : (956) 220-3812

Oficinas México:

Polyken
Prolongación Estadio Azteca No.18
Col.: El Caracol, C.P.: 04300
México, D.F., Delegación: Coyoacan
Tel.: (55) 5528-0161; (55) 5528-0052
Fax.: (55) 5424-1920
ventasyservicio@polyken.com.mx
direccion@polyken.com.mx

Bodega en Estados Unidos

Polyken
406 Enterprise Rd.
Interamerica Park
Laredo, Tx 78045
Tel.: (956) 727-2491
Fax.: (956) 724-8509
Contacto: Jesús Alberto Marina Delgado