

# MATERIAL SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** POWERCRETE R120 Part A  
**CHEMICAL/FAMILY NAME:** Epoxy resin  
**PRODUCT TYPE:** Polyfunctional Novolac Resin  
**PRODUCT/MSDS DISTRIBUTION:** United States

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

Health	2
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:

1. Phenol, polymer with formaldehyde, glycidyl ether

**Common Name:** Epoxy Phenol Novolac (CAS#28064-14-4)

### 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:** Light Gray viscous liquid  
**Boiling Point:** Greater than 200°C (392°F).  
**Vapor Pressure:** Negligible.  
**Percent Volatile:** Less than 0.5%  
**Solubility in Water:** Negligible.  
**Specific Gravity:** ~1.75- 1.80 at 25° C (77° F)  
**Decomposition Temperature:** >200° C (>392° F)

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 290°F (143°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.  
**Conditions to Avoid:** Open flames and elevated temperature.  
**Incompatibility:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, aldehydes, acids.  
**Hazardous Polymerization:** Will not occur.  
**Materials to Avoid:** Strong acids or bases in bulk.

#### SECTION VI - HEALTH HAZARD DATA

**Primary Routes of Exposure:**  
**Oral LD50:** (Rat) Greater than 2 g/kg.  
**Dermal LD50:** (Rat) Greater than 2 g/kg; (Mouse) Greater than 20g/kg.  
**Skin Irritation:** (Rabbit) Irritant.  
**Eye Irritation:** (Rabbit) Slight irritation.  
**Inhalation Toxicity (Leso):** (Rat) Greater than 1.7mg/L air for 4 hours of aerosol exposure. (Maximum concentration attained).  
**Sensitization:** Moderate sensitizer.  
**Overexposure Effects:** Irritation, sensitization, dermatitis.  
**Medical conditions aggravated by Exposure:** Eye disorders, allergy, eczema, or skin conditions.

#### SECTION VII – FIRST AID MEASUREMENTS

##### Emergency and First Aid Procedures:

**Eyes:** Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.  
**Skin:** Wash with large amounts of running water and soap for at least 15 minutes. Remove contaminated clothing and shoes. 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 water again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.  
**Inhalation:** Remove from area to fresh air and provide oxygen. Get immediate medical attention.  
**Other:** Promptly remove wet contaminated non-impervious clothing, wash before reuse.

#### SECTION VIII - SPILL OR LEAK PROCEDURES

**Spill Procedures:** Absorb with sand or other absorbent material. Shovel into closable containers for disposal. Wear protective equipment specified below. Flush contaminated area with water. Dispose in accordance with Federal, State, and local regulations.  
**Waste Disposal Methods:** Polymerize in bucket. Add 16 parts of Powercrete R120 Part B to 100 parts of Powercrete R120 Part A by weight or 4 part A to 1 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 IX – TRANSPORT INFORMATION

**Department of Transportation:** Not regulated

#### SECTION X - 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 eye or skin contact. Use of barrier cream recommended.

#### SECTION XI - SPECIAL PRECAUTIONS

##### **Emergency Overview : WARNING!**

Causes irritation, can cause sensitization and allergic skin reaction.  
Avoid contact with eyes, skin, and clothing.  
Avoid breathing vapor, mist, or spray.  
Use only with good ventilation.  
Individuals should wash thoroughly after handling.  
Store in cool, dry area in closed containers.  
Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.  
FOR INDUSTRIAL USE ONLY.

#### SECTION XII - REGULATORY INFORMATION

**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 does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).

**RCRA:** Not a hazardous waste under RCRA (40 CFR 261).

**CERCLA:** Not listed.

**Canadian Inventory Status (CEPA):** All components included on the Domestic Substances List (DSL).

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

**CAS Number:** 28064-14-4

**Chemical Name:** Formaldehyde, polymer with (Chloromethyl) Oxirane and phenol.

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

**CAS Number:** 28064-14-4

**Chemical Name:** Formaldehyde, polymer with (Chloromethyl) Oxirene and phenol.

**Comment:** Not on Pennsylvania Hazardous Substance List.



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