

**MATERIAL SAFETY DATA SHEET**

**SECTION I: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Powercrete J Part B  
**CHEMICAL/FAMILY NAME:** Modified polyamine  
**PRODUCT TYPE:** Epoxy hardener

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

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

Health	3
Flammability	1
Reactivity	1
Protective Equipment	X

**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.

### SECTION III - PHYSICAL DATA

Appearance and Odor: Clear liquid, amine odor.  
Boiling Point: Greater than 392°F (200°C).  
Decomposition Temperature: Greater than 392°F (200°C).  
Solubility in Water: Slightly miscible.  
Specific Gravity: 8.2 lbs/gallon at 77°F (25°C).  
Vapor Pressure: 0.3 mm Hg at 68°F (20°C).  
pH: 11.

### 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.  
Hazardous Polymerization: Will not occur.

### SECTION VI - HEALTH HAZARD DATA

Primary Routes of Exposure: Dermal.  
Oral LD50: (Rat) 1030 mg/kg.  
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.

Waste Disposal Methods: Polymerize in bucket. Add each 100 parts of Powercrete J Part A to 11 parts of Powercrete J Part B by weight (Or 5 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 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: Trimethylhexamethylenediamine mixture Hazard Class: DOT/IATA/ICAO: 8

IMDG/IMO: 8

ID Number: UN 2327

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 14.3% 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).

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

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

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.

#### PREPARATION INFORMATION


DATE OF ISSUE: Jan. 16, 2009 SUPERSEDES: All previous versions

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