

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

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|---|---|
| Product Code DPB-1 | |
| Product Name PHENOLIC GLASS FILL | |
| Manufacturer's Name Mark V Laboratory, Inc. | Emergency Telephone Number CHEMTREC 800-424-9300 |
| Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road | Telephone Number For Information (860) 653-7201 |
| Post Office Box 540 | Date Prepared July 1, 2013 |
| East Granby, Connecticut 06026 | Signature of Preparer (optional) |

Section 2. Composition / Information on Ingredients

| Component | CAS Registry # | wt. % | Exposure Limits | |
|--|----------------|-------|-----------------|-----------|
| | | | ACGIH TLV | OSHA PEL |
| Phenol* | 108-95-2 | <2.5 | 5ppm | 5ppm |
| Carbon Black* | 1333-86-4 | <0.2 | 3.5 mg/m3 | 3.5 mg/m3 |
| Glass Fiber (respirable nuisance dust) | 65997-17-3 | <50 | 10 mg/m3 | 5 mg/m3 |
| Aluminum Silicate (respirable nuisance dust) | 1332-58-7 | <15 | 10 mg/m3 | 5 mg/m3 |
| Phenolic Resin | 9003-35-4 | <40 | NE | NE |
| Hexamethylenetetramine | 100-97-0 | <6 | 10 mg/m3 | 15 mg/m3 |
| Hydrated Lime | 1305-62-0 | <2 | 5 mg/m3 | 5 mg/m3 |

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

EFFECTS of OVEREXPOSURE: *Phenol, formaldehyde, and ammonia vapors may be released during molding processes. Overexposure to these vapors may cause irritation to eyes, nose, throat and skin. Sensitized individuals may experience allergic skin reactions. Exposure to dust from machining operations may cause nose and throat irritation. The glass fiber and mineral filler components are considered a mechanical irritants and nuisance dust.

*IARC has listed carbon black as a class 2B possible human carcinogen based on laboratory studies with animals.

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POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Dust and vapors may cause irritation.

INHALATION: Dust and vapors may cause irritation of the respiratory tract.

SKIN CONTACT: **May** cause irritation and/or allergic reactions in sensitized individuals.

INGESTION: None known.

CHRONIC: Yes.

Product: PHENOLIC GLASS FILL (DPB-1)

Section 4. First Aid Measures

INHALATION: Remove to fresh air. If respiration stops, apply appropriate emergency resuscitation techniques. Obtain medical attention.

EYE CONTACT: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

SKIN CONTACT: Wash with soap and water at first opportunity.

INGESTION: Dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other treatment directions.

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: N/A

METHOD USED: PMCC

FLAMMABLE LIMITS Auto-ignition Temperature: Typically >550c

LFL: N/E

UFL: N/E

EXTINGUISHING MEDIA: Water Fog, Foam, Dry Chemical, and CO2.

FIRE & EXPLOSION HAZARDS: None known.

FIRE FIGHTING INSTRUCTIONS: Firefighters should be equipped with self-contained breathing apparatus as decomposition in a fire may produce toxic fumes.

Section 6. Accidental Release Measures

Sweep or vacuum spills. To minimize dust, vacuum cleaning is preferred.

Section 7. Handling and Storage

Keep container closed and sealed when not in use. Store in cool, dry place below 77 Deg. G (25 Deg. C) Avoid breathing fumes from molding or other heating operations. Avoid breathing dusts from cutting, machining or deburring operations. Avoid high concentrations of dust in air and accumulation of dust on equipment. A fine dust of this material can create a dust explosion hazard.

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Local Exhaust: At points of emission to maintain exposure below OSHA action levels. Mechanical: (General) General room ventilation should be present.

RESPIRATORY PROTECTION: Use MSHA/NIOSH approved respiratory protection if level of air contaminants exceed action levels set by OSHA.

SKIN PROTECTION: Impervious gloves should be worn to prevent skin contact.

EYE PROTECTION: Wear safety glasses with side shields.

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Section 9. Physical and chemical Properties

| | | | |
|--------------------------|------------------------|-----------------------------|-----------------------------|
| APPEARANCE: | Green colored granules | PHYSICAL STATE: | Solid |
| BOILING POINT: | N/A | SOLUBILITY IN WATER: | Negligible |
| EVAPORATION RATE: | N/A | SPECIFIC GRAVITY: | 1.70-1.90 g/cm ³ |
| FREEZING POINT: | NE | VAPOR DENSITY: | N/A |
| MELTING POINT: | NE | VAPOR PRESSURE: | N/A |
| MOLECULAR WEIGHT: | | VISCOSITY: | NA |
| ODOR: | Mild & Characteristic | % VOLATILE: | |
| pH: | Not determined | | |

Section 10. Stability and Reactivity

CHEMICAL STABILITY: Stable.**INCOMPATIBILITY:** High temperatures, strong oxidizing agents, strong acids.**HAZARDOUS DECOMPOSITION PRODUCTS:** May occur during fire or at very high temperatures. May include: phenol, formaldehyde, ammonia, carbon monoxide, carbon dioxide, hydrogen cyanide, particulate matter and other organic compounds including benzo (a) pyrene.**HAZARDOUS POLYMERIZATION:** Will not occur.

Section 11. Toxicological Information

CARCINOGENIC HAZARDS: *Carbon black is listed under California's Proposition 65 as a human carcinogen.**REPRODUCTIVE HAZARDS:** None known.

Section 12. Ecological Information

Based on current information, there are no special regulations.

Product: PHENOLIC GLASS FILL (DPB-1)

Section 13. Disposal Considerations

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

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: NA
TECHNICAL SHIPPING NAME: NA
D.O.T. HAZARD CLASS: NA
U.N. / N.A. NUMBER: NA
PRODUCT RQ (LBS): 1000 LBS / 454 KG (PHENOL ONLY)
D.O.T. LABEL: NA
D.O.T. PLACARD: NA
FREIGHT CLASS BULK: NA
FREIGHT CLASS PACKAGE: NA
PRODUCT LABEL: DPB-1

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: Yes

TSCA STATUS: Yes

CERCLA REPORTABLE QUANTITY: 1000 LBS / 454 KG (PHENOL ONLY)

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: 1000 LBS / 454 KG (PHENOL ONLY)

SECTION 311/312 HAZARDOUS CATEGORIES: 1000 LBS / 454 KG (PHENOL ONLY)

SECTION 313 TOXIC CHEMICALS: 1000 LBS / 454 KG (PHENOL ONLY)

RCRA STATUS: To be determined by user

CALIFORNIA PROPOSITION 65: Yes

Section 16. Other Information

MSDS STATUS:

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