

MATERIAL SAFETY DATA SHEET

May 27, 2004

Attn: Safety Director

Conforms to requirements with the Federal OSHA Hazard Communications Standard 29 CFR 1910.1200

SECTION I – PRODUCT IDENTIFICATION

Product Name: PolySeal 2, Compound A
 Family/Chemical Name: Epoxide
 Product Type: Modified Epoxy Resin
 DOT Category: Chemicals NOIBN
 Hazard Rating: Health: 1 Fire: 1 Reactivity: 0
 (None = 0 Extreme = 4)
 Vendor Name and Address: Prime Resins, Inc.
 2831 Rockaway Industrial Blvd.
 Conyers, GA 30207
 Emergency Phone Number: (404) 388-0626

SECTION II – HAZARDOUS COMPONENTS

CAS Number: 25068-38-6
 Description: Bisphenol A Epichlorohydrin Epoxy Resin
 TLV/PEL/STEL: Not established
 Carcinogenicity: This chemical is not considered to be carcinogenic by NTP, IARC, and OSHA

CAS Number: 68609-97-2
 Description: Alkyl Glycidyl Ether
 PAT: LD50 = 17100 mg/kg
 TLV/PEL/STEL: Not established
 Carcinogenicity: This chemical is not considered to be carcinogenic by NTP, IARC, and OSHA

CAS Number: 84852-15-3
 Description: Aklated Phenol
 TLV/PEL/STEL: Not established

CAS Number: 13463-67-7
 Description: Titanium Dioxide
 TLV/PEL/STEL: Not established

SECTION III – PHYSICAL DATA

Physical State: Liquid
 Specific Gravity: 1.104 @ 77° F
 Boiling Point: 425° F
 Density: 9.20 lbs./gal
 Evaporation Rate: Not Determined (Butyl Acetate = 1)
 Vapor Pressure (mm Hg): 0.6 mm kg @ 70° C
 Vapor Density (Air = 1): Not Determined
 Water Solubility: Nil
 Odor: Sweet Smelling

SECTION IV – FIRE AND EXPLOSIVE HAZARD DATA

Flash Point: > 200° C
 Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray
 Fire Fighting Procedures: Use self-contained breathing apparatus.

Note: Decomposition and combustion products may be toxic. Cool fire-exposed containers with water.

SECTION V – HEALTH HAZARD DATA

Primary Routes of Exposure: Dermal, oral, eyes
 Overexposure Effects: Irritation, Sensitization, and Dermatitis
 Acute: Will cause burns to skin and eyes. High concentrations of vapor cause irritation of respiratory tract.
 Chronic: Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.

FIRST AID

Eyes: Immediately flush eyes with water for at least 15 minutes. Prompt medical consultation is essential.
 Skin: Promptly wash with mild soap and water.
 Inhalation: Remove to fresh air. Give oxygen if necessary. Get medical attention.
 Ingestion: Do not induce vomiting unless medical attention is not immediately available.
 Other: Wash contaminated clothing before reuse. Discard contaminated shoes and other leather articles.

SECTION VI – REACTIVITY DATA

Stability: Stable
 Conditions to Avoid: Elevated temperatures, strong acids or bases in bulk
 Incompatibility: Strong oxidizing agents
 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes
 Hazardous Polymerization: Will not occur

SECTION VII – SPILL OR LEAK PROCEDURES

Spill: Avoid all personal contact, take up with absorbent material. Shovel into container. Flush contaminated area with water. Do not flush to storm drains or water supplies.

Water Disposal Method: Dispose of as a hazardous waste in accordance with Federal, State and local regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH – approved respiratory protection required in the absence of good general mechanical ventilation and local exhaust.

Protective Clothing: Long-legged and sleeved clothing
Gloves- Impervious gloves, neoprene or rubber
Eye-Splash-proof goggles or safety glasses with side shields
Shoes-Chemical resistant leather

SECTION IX – SPECIAL PRECAUTIONS

Handling, Shipping and Storing Precautions: **WARNING!** May cause irritation. May cause skin reaction. Avoid contact with eyes, skin or clothing. Avoid breathing vapors, mist or spray. Use good, positive ventilation. Store in cool, dry area in closed containers. Observe conditions of good industrial hygiene and safe work practice.

SECTION X – REGULATORY INFORMATION

DOT Class: Not regulated
RCRA Class: Not a hazardous waste under RCRA (40-CFR 261)
CERCLA Status: Not listed
TSCA Inventory Status: Chemical components listed on inventory.

Issue Date: 11-29-90 Revision 2MHL

DISCLAIMER

The information and recommendations contained herein are offered as a service to our customers but are not intended to relive the user of his responsibility to investigate and understand other pertinent sources of information and to comply with all laws and procedures applicable to the safe handling and use of these products. The information and recommendations provided herein were believed to be generally reliable. However, ABT, Inc., makes no warranty concerning their accuracy and ABT, Inc. will not be liable for claims relating to any party's use or reliance on information or recommendations contained herein, regardless of whether it is claimed that the information or recommendations are inaccurate, incomplete or otherwise misleading.

This MSDS was prepared on 5/27/04 by J. Guthrie, Manager, Material Safety.

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May 27, 2004

Attn: Safety Director

Conforms to requirements with the Federal OSHA Hazard Communications Standard 29 CFR 1910.1200

SECTION I – PRODUCT IDENTIFICATION

Product Name: PolySeal 2, Component B
 General or Generic ID: Epoxy Resin Hardener
 DOT Identification: Corrosive Liquid NOS UN 1760
 Chemicals NOIBN
 Hazard Rating: Health: 2 Fire: 1 Reactivity: 0
 (None=0 Extreme=4)
 Vendor Name and Address: Prime Resins, Inc.
 2831 Rockaway Industrial Blvd.
 Conyers, GA 30207
 Emergency Phone Number: (404) 388-0626

SECTION II – HAZARDOUS COMPONENTS

CAS Number: 140-31-8
 Description: Ethylene Amine
 TLV/PEL/STEL: Not established
 Oral (Rat): Ld 50-1620 mg/kg

CAS Number: 84852-15-3
 Description: Aklated Phenol
 TLV/PEL/STEL: Not established
 Oral (Rat): Ld 1620 mg/kg

CAS Number: 9046100
 Description: Polyoxyalkyleneamine
 0.5 g/kg (Rat) Toxic / 9/10 Death (Rat) 7
 Hrs. Sat. Vapor
 0.25 g/kg (Rabbit) Toxic / Corrosive,
 Extremely Irritating

CAS Number: 68953-36-6
 Description: Amido Amine
 TLV/PEL/STEL: Not established

CAS Number: 1333-86-4
 Description: Carbon Black
 As powders, considered a nuisance dust
 under 29CFR 1910.1200

SECTION III – PHYSICAL DATA

Physical State: Amber Liquid
 Specific Gravity: 0.996 @ 77° F
 Boiling Point: Not determined
 Melting Point: Not determined
 Vapor Pressure: Not determined
 Vapor Density: Not determined
 Water Solubility: Slight
 Evaporation Rate: Slower (Butyl Acetate = 1)

Odor: Ammonia odor
 Density: 8.3 lbs/gal.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: > 383° F PMCC
 Extinguishing Media: Carbon dioxide, foam, water spray, dry
 chemical
 Fire Fighting Procedures: Use self-contained breathing apparatus
 Note: Decomposition and combustion products
 may be toxic. Cool fire exposed containers
 with water.

SECTION V – HEALTH HAZARD DATA

Primary Routes of Exposure: Dermal, oral, eyes
 Overexposure Effects: Irritation, Sensitization, and Dermatitis
 Acute: Will cause burns to skin and eyes. High
 concentrations of vapor cause irritation of
 respiratory tract.
 Chronic: Prolonged or repeated exposure may cause
 asthma and skin sensitization or other
 allergic responses.

FIRST AID

Eyes: Immediately flush eyes with water for at
 least 15 minutes. Prompt medical
 consultation is essential.

Skin: Promptly wash with mild soap and water.
 Inhalation: Remove to fresh air. Give oxygen if
 necessary. Get medical attention.

Ingestion: Do not induce vomiting because it will
 further damage the throat.

Other: Wash contaminated clothing before reuse.
 Discard contaminated shoes and other
 leather articles.

SARA Title III Sect. 313: Not a cancer suspect

SECTION VI – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Elevated temperatures.
Incompatibility: Avoid contact with strong oxidizing agents, mineral acids and epoxy resins under uncontrolled conditions.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and oxides of nitrogen
Hazardous Polymerization: Will not occur

SECTION VII – SPILL OR LEAK PROCEDURES

Spill: Avoid all personal contact, take up with absorbent material. Shovel into container. Flush contaminated area with water. Do not flush to storm drains or water supplies.
Water Disposal Method: Dispose of as a hazardous waste in accordance with Federal, State and local regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH – approved respiratory protection required in the absence of good general mechanical ventilation and local exhaust.
Protective Clothing: Long-legged and sleeved clothing
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SECTION X – REGULATORY INFORMATION

DOT Class: Corrosive Liquid NOS UN 1760
Chemicals NOIBN
TSCA Inventory Status: Chemical components listed on inventory
“*Pennsylvania Right-To-Know*” Act.
Issue Date: 2/21/91 Revision: 2MHL

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