

MATERIAL SAFETY DATA SHEET

MSDS Name: E14M06
MSDS Number: 664454053
Version Number: 2
MSDS Date: 10/06/06
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SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: E14M06
CAS Number: Mixture
Hazard Rating: Health: 1 Fire: 1 Reactivity: 0 PPI: B

Company Identification: POLYMERIC SYSTEMS, INC.
723 WHEATLAND STREET
PHOENIXVILLE PA 19460

Contact: I. David Crossan
Telephone/Fax: (610) 935-1170 (610) 935-7123
Emergency Phone (24 Hour): (800) 424-9300
(610) 935-1170
Chemtrec (24 Hour): (800) 424-9300
Preparer: I. David Crossan
Technical Director

Product Class: EPOXY PUTTY
Trade Name: BLUE/YELLOW
Product Code: 4540
UN Number:
Shipping Name: Putty
Technical Name:

Shipping Name: PUTTY, NMFC 150110

SECTION II - INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
Diglycidyl ethers of bisphenol A resin HMIS Health: 1 Fire:1 Reactivity:0 PPI:B____	028064-14-4	5 - 10	Y
Glycidyl ethers of bisphenol A resins HMIS Health: 2 Fire:1 Reactivity:0 PPI:B____	25068-38-6	3 - 7	Y
Diglycidyl ethers of bisphenol A resins HMIS Health: 1 Fire:1 Reactivity:0 PPI:B____	028064-14-4	1 - 5	Y
Tri(dimethylaminomethyl)phenol HMIS Health: 3 Fire:1 Reactivity:1 PPI:D____	90-72-2	0.5 - 1.5	Y

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

SECTION III - PHYSICAL DATA

Form: Putty
Appearance/Color: Blue/Yellow

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Odor: Sulfur, Mercaptan
Solubility (in water): Insoluble in Water
pH Value: Not Applicable
Boiling Range: Not Applicable
Vapor Pressure (mmHg): Not Applicable
Melting Point: Not Applicable
Evaporation Rate: Non Volatile

Vapor Density: Non Volatile

% Volatile Weight 0. %
% Volatile < 1%
VOC < 1%
Molecular Weight:
Heavy Elements (ppm) 0.

Specific Gravity 1.85

NOTE:

⊗The physical data represented above are typical values and should not be construed as a specification. For additional physical data and details on use, please obtain a technical data sheet for this product.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class

Flash Range: Not Applicable

Explosive Range: Not Applicable

EXTINGUISHING MEDIA:

Water spray, foam, co2, dry chemicals.

UNUSUAL HAZARDS:

Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self contained breathing apparatus (SCBA) and full protective clothing.

FIRE FIGHTING

Fire Fighters and others who may be exposed to the products of combustions should be equipped with NIOSH-approved positive pressure self-contained breathing apperatus (SCBA) and full protective clothing.

SECTION V - HEALTH HAZARD DATA

Route	Species	Exposure and Dose
Diglycidyl ethers of bisphenol A resin		
Oral	Rat, adult	LD50 5000. mg/Kg
Glycidyl ethers of bisphenol A resins		
Oral	Rat, adult	LD50 5000. mg/Kg
Skin	Rabbit, adult	LD50 20000. mg/Kg

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Diglycidyl ethers of bisphenol A resins

Oral	Rat, adult	LD50 5000. mg/Kg
Skin	Rabbit, adult	LD50 20000. mg/Kg

Tri(dimethylaminomethyl)phenol

Oral	Rat, adult	LD50 1630. mg/Kg
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PERMISSIBLE EXPOSURE LEVEL:

N/A

EFFECTS OF OVEREXPOSURE:

Inhalation: None
Ingestion: Irritation of intestinal tract.
Skin Contact: Possible irritant and sensitizer.
Eye Contact: Possible irritant and sensitizer.

FIRST AID:

Inhalation: Remove to fresh air.
Ingestion: Seek medical advice.
Skin Contact: Wash with soap and water.
Eye Contact: Flush with water, consult a physician.

NOTE:

Never give anything by mouth to an unconscious person.

SECTION VI - STABILITY AND REACTIVITY DATA

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY

None

CONDITIONS TO AVOID:

None

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, aldehydes, acids, oxides of sulfur and nitrogen.

SECTION VII - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN:

Spills or leaks: Dispose of in normal manner.

WASTE DISPOSAL METHOD:

Incinerate in furnace or bury in landfill in accordance with all applicable regulations; not a hazardous waste.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
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Diglycidyl ethers of bisphenol A resin

N/est	N/est	N/est	N/est	N/est
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Glycidyl ethers of bisphenol A resins
N/est N/est N/est N/est N/est

Diglycidyl ethers of bisphenol A resins
N/est N/est N/est N/est N/est

Tri(dimethylaminomethyl)phenol
5.00 PPM N/est N/est N/est N/est

PROTECTIVE EQUIPMENT TYPES:

Eyes: Safety glasses or goggles.
Respiratory: None required in a well ventilated area.
Gloves: Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.
Other: None required.

VENTILATION:

General Mechanical: None Required.
Local Exhaust: Use to keep exposures below recommendations. Use if material is heated above 100 F.

SECTION IX - HANDLING AND STORAGE

HANDLING:

Storage Temperature: < 90F (32C)

Storage Conditions: Store in cool, dry, well ventilated area.

Transfer: No special precautions needed. Follow good manufacturing and handling practices.

Personal Hygiene: Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, faceshields and gloves. Professionally launder contaminated clothing before use.

Empty container precautions: ATTENTION! This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

SECTION X - REGULATORY INFORMATION

Right-to-Know:

The non-hazardous ingredients in this product subject to the Pennsylvania, New Jersey, and/or Massachusetts Right-To-Know laws are:

CAS	Name
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14807-96-6	Magnesium Silicate Hydrate
Trade secret	Polyether Polymercaptan
65997-17-3	Sodium Calcium Magnesium Silicate

NOTE:

USERS RESPONSIBILITY: A bulettin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workspace, all aspects on an individual operation should be examined to determine id, or where, precautions - in addition to those described herein - are required. Any heath hazard and safety information herein should be passed on to your customers or employees as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damage incurred by the use of this material. All chemicals may present unkown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation of warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.