

Rec'd 10-18-05

23817-1004

**MATERIAL SAFETY DATA SHEET**

MSDS Name: Faststeel  
 MSDS Number: 500451070-24  
 Version Number: 3  
 MSDS Date: 04/28/05  
 Page Number: 1 of 5

**SECTION I - PRODUCT AND COMPANY INFORMATION**

Product Name: Faststeel  
 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: Faststeel  
 Product Code: 4510  
 UN Number:  
 Shipping Name: Putty  
 Technical Name:

Shipping Name: PUTTY, NMFC 150110

**SECTION II - INGREDIENT AND HAZARD INFORMATION**

Ingredient Name	CAS Number	Percent	TSCA
Glycidyl ethers of bisphenol A resins HMIS Health: 2 Fire:1 Reactivity:0 PPI:B___	25068-38-6	10 - 30	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

Warning:

**SECTION III - PHYSICAL DATA**

Form: putty  
 Appearance/Color: Metallic/Black  
 Odor: Mercaptan/Sulfur  
 Solubility (in water): Insoluble in Water  
 pH Value:

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Boiling Range: N/A  
 Vapor Pressure (mmHg):  
 Melting Point: Not Applicable  
 Evaporation Rate: Non Volatile

Vapor Density: Non Volatile

% Volatile Weight: 0. %  
 % Volatile: < 1%  
 VOC: < 1.0 %  
 Molecular Weight:  
 Heavy Elements (ppm): 0.

Specific Gravity: 2.18

**NOTE:**

ΔThe 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: none  
 Explosive Range: none  
 none

**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
Glycidyl 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

**PERMISSIBLE EXPOSURE LEVEL:**

N/A

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### 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
Glycidyl 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.

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### 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:

CAS	CHEMICAL NAME
14807-96-6	Magnesium Silicate Hydrate
7439-89-6	Iron/Silicon/Titanium Aluminum Alloy
65997-17-3	Sodium Calcium Magnesium Silicate
37244-96-5	Nypheline Syenite

### 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

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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.

05/19/05

DICK BLICK DIST CENTER  
864 ENTERPRISE AVE  
PO BOX 2000  
GALESBURG  
61401

Dear Customer:

We are pleased to enclose for your use the following Material Safety Data Sheet(s) which contains health and safety information.

This takes precedence over and supercedes any previous Material Safety Data Sheet(s) you may have for this product.

Effective 1 January 1989, a person who sells or otherwise distributes a mixture or trade name product containing a toxic chemical (i.e., a chemical or member of chemical category in 40 CFR PART 372) must provide written notice to the recipient with the first shipment in each calendar year. This is pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). The attached MSDS is supplied to you pursuant to these legal requirements. Please note that if you repackage or otherwise redistribute this product a notice including the SARA 313 information should be sent to the recipients.

MSDS are an integral part of the hazard communication and employee information and training programs required of employers under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This MSDS, as all previously furnished MSDS, is the result of the work of a group of specialists including toxicologists, physical chemists and information specialists. It was prepared only after a careful review of the information in our own files and that available in generally accessible public literature. It contains valuable health and safety information which you should use in developing safe handling procedures for your employees. We urge you to send this MSDS to the individuals in your organization responsible for health and safety practices, and to notify your employees, customers, agents, and contractors of the information so that they will be fully informed regarding health, safety, and environmental protection measures.

If you have any questions or require additional information in the storage handling, use or disposal of this product, please contact us.

Attachment