# MATERIAL SAFETY DATA SHEET

POLYMERIC SYSTEMS, INC.

## SECTION I - PRODUCT AND COMPANY INFORMATION

| | |
|---|---|
| **Product Name:** | QuikCopper® |
| **CAS Number:** | Mixture |
| **Hazard Rating:** | **Health:** 1 **Fire:** 1 **Reactivity**: 0 **PPI:** B |
| **Company Identification:** | POLYMERIC SYSTEMS, INC.<br>723 WHEATLAND STREET<br>PHOENIXVILLE PA 19460 |
| **Contact:** | I. David Crossan |
| **Telephone/Fax:** | (610) 935-1170 / (610) 935-7123 |
| **Emergency Phone (24 Hour):** | (800) 424-9300<br>(610) 935-1170 |
| **Chemtrec (24 Hour):** | (800) 424-9300 |
| **Preparer**: | I. David Crossan<br>Technical Director |
| **Product Class:** | EPOXY PUTTY |
| **Trade Name:** | QuikCopper® |
| **Product Code:** | 4625 |
| **Shipping Name:** | PUTTY, NMFC 150110 |

## SECTION II - INGREDIENT AND HAZARD INFORMATION

| Ingredient Name | CAS Number | Percent | TSCA |
|---|---|---|---|
| Glycidyl ethers of bisphenol A resins | 25068-38-6 | 10 – 30 | Y |
| **HMIS Health:** 2 **Fire:** 1 **Reactivity:** 0 **PPI:** B | | | |
| Tri(dimethylaminomethyl)phenol | 90-72-2 | 0.5 - 1.5 | Y |
| **HMIS Health:** 3 **Fire:** 1 **Reactivity:** 1 **PPI:** D | | | |

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

## SECTION III - PHYSICAL DATA

| | |
|---|---|
| **Form:** | Putty |
| **Appearance/Color:** | Metallic Copper/Tan |
| **Odor:** | Mercaptan/Sulfur |
| **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 % |
| **Heavy Elements (ppm):** | 0. |
| **Specific Gravity** | 2.18 |

**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:** IIIB
**Flash Range:** none
**Explosive Range:** none

**EXTINGUISHING MEDIA:**

Water spray, foam, $CO_2$, dry chemicals.

**UNUSUAL HAZARDS:**

Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

**FIRE FIGHTING**

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.

## 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:**

Not Applicable

**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 plenty of soap and water.
**Eye Contact:** Flush with water for at least 15 minutes. Seek medical advice.

**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:**

Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

## 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 unless sanding or abrading.
**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:** Only if heated above 100F (38C)

## SECTION IX - HANDLING AND STORAGE

**Storage Temperature:** < 90F (32C)

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

**Transfer:** No special precautions are 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, face shield, and gloves. Professionally launder contaminated clothing before re-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 |
|---|---|
| 14807-96-6 | Magnesium Silicate Hydrate |
| Trade Secret | Polyether Polymercaptan |
| 65997-17-3 | Sodium Calcium Magnesium Silicate |
| 7440-50-8 | Copper |

**NOTE:**

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

**DISCLAMER 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 damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures 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.