



# SAFETY DATA SHEET

PIG® Copper Repair Putty (MSD-163)

Page 1 of 2

## 1. Product And Company Identification

**Product Identifier:** PIG® Copper Repair Putty  
**General Use:** PIG® Copper Repair Putty is a hand kneadable, copper reinforced epoxy putty designed to make quick repairs to pipes, tanks, and vessels made of copper, brass, bronze and other non-ferrous metals.

**Product Description:** A copper colored putty stick.  
**COMPANY PROFILE:** New Pig Corporation  
One Pork Avenue  
Tipton, PA 16684-0304  
Information Number 1-800-468-4647  
**Website:** www.newpig.com, **Email:** hothogs@newpig.com  
**EMERGENCY TELEPHONE:** INFOTRAC  
200 North Palmetto Street  
Leesburg, FL 34748  
24 hrs, 7 days/week  
1-800-535-5053

## 2. Hazards Identification

**POTENTIAL HEALTH EFFECTS:**  
**Eye Contact:** May cause eye irritation and act as a sensitizer.  
**Ingestion:** May cause irritation of intestinal tract. Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.  
**Inhalation:** Vapors are unlikely due to physical properties.  
**Skin Contact:** May cause skin irritation and act as a sensitizer.

## 3. Composition/Information on Ingredients

Components	wt. %	CAS Registry #
Diglycidyl ether of bisphenol A	7-13	25068-38-6
Novolac epoxy resin	3-7	28064-14-4
2,4,6-Tri (dimethylaminomethyl) phenol	1-5	90-72-2
Copper powder	1-5	7440-50-8

*Non-hazardous ingredients meeting the Pennsylvania, New Jersey and/or Massachusetts Right-To-Know requirements are:*  
Magnesium silicate hydrate 14807-96-6  
Polyether polymercaptan Trade Secret  
Sodium calcium magnesium silicate 65997-17-3

## 4. First Aid Measures

**Eye Contact:** Flush with water for 15 minutes. Consult a physician.  
**Ingestion:** Never give anything by mouth to an unconscious person. Seek medical advice.  
**Inhalation:** Not applicable.  
**Skin Contact:** Wash with soap and water

## 5. Fire Fighting Measures

**Extinguishing Media:** Water spray, foam, CO<sub>2</sub>, dry chemicals  
**Special Fire Fighting Procedures:** 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.  
**Hazardous Combustion Products:** Aldehydes, acids, oxides of carbon, sulfur & nitrogen may be formed.  
**Unusual Hazards:** Not established

## 6. Accidental Release Measures

**Spill or Leak Procedures:** Shovel or sweep up material and place into a plastic or metal disposal container. Not a listed hazardous waste.

## 7. Handling and Storage

**Handling Precautions:** If sanding cured putty or substrates, wear eye protection and dust mask. Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom. Wash contaminated goggles, faceshield and gloves. Professionally launder contaminated clothing before re-use.  
**Storage Precautions:** Store in a cool, dry, well ventilated area, <90°F (<32°C). Shelf Life: ~2 years in original container.  
**General:** The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

## 8. Exposure Controls/Personal Protection

**Engineering Controls:** General Ventilation - None required  
Local Exhaust - Only if heated above 100°F (38°C).  
**PERSONAL PROTECTION**  
**Eyes:** Safety glasses.  
**Respirator:** 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.

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):**  
EXPOSURE LIMITS 8 hrs. TWA (ppm)  
OSHA PEL ACGIH TLV

Magnesium silicate hydrate	20 mppcf*	2 mg/m <sup>3</sup> *
Copper (as dusts and mists)	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

\* Respirable dust for talc containing no asbestos



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Page 2 of 2

## 9. Physical and Chemical Properties

**Appearance:** Copper putty  
**Odor:** Sulfur, mercaptan      **Threshold:** Not available  
**pH:** Not applicable  
**Melting Point/Freezing Point:** Not applicable  
**Initial Boiling Point and Range:** Not applicable  
**Flash Point:** >140 °F (>60 °C)      **Method:** Not available  
**Evaporation Rate:** Not applicable  
**Flammability Limits:** Class IIIB  
**Conditions of Flammability:** Not established  
**Explosive Properties:** Not applicable  
**Vapor Pressure:** Not applicable      **Vapor Density:** Non Volatile  
**Relative Density (H<sub>2</sub>O = 1):** 1.962  
**Solubility in Water:** Insoluble  
**Auto-ignition Temperature:** Not established  
**Coefficient of Water/Oil Distribution:** Not available  
**VOC:** <0.1%      **Lapshear on Steel / Copper:** 650 / 700 psi  
**Once Cured, Upper Working Temperature Limits:**  
Continuous: 250 °F (121 °C), Intermittent: 300 °F (149 °C)

## 10. Stability and Reactivity

**General:** This is a stable material.  
**Conditions of Reactivity:** Not established.  
**Incompatible Materials and Conditions to Avoid:** None  
**Hazardous Decomposition:** Aldehydes, acids, and oxides of carbon, nitrogen and sulfur.  
**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

**LD50:** Not available      **LC50:** Not available  
**Carcinogenicity:** IARC: Not established.  
National Toxicology Program: Not established.  
OSHA: Not established.  
California Prop 65: No listed ingredient.  
**Reproduction Toxicity:** Not available  
**Teratogenicity:** Not available  
**Mutagenicity:** Not available  
**Synergistic Products:** Not available  
**Irritancy of Product:** See Section 2.  
**Sensitization to Product:** Not available  
**Diglycidyl ether of bisphenol A:**  
Ingestion: The oral LD50 for rats is > 5000 mg/kg.  
Skin: The dermal LD50 for rabbits is >23500 mg/kg.  
**Novolac epoxy resin:**  
Ingestion: The oral LD50 for rats is >2000 mg/kg.  
**2,4,6-Tri (dimethylaminomethyl) phenol:**  
Ingestion: The oral LD50 for rats is 1200 mg/kg.  
Skin: The dermal LD50 for rats is 1280 mg/kg.

## 12. Ecological Information

No data available

## 13. Disposal Considerations

**Waste Disposal Method:** Incinerate in furnace or bury in landfill according to applicable regulations, not a hazardous waste.

## 14. Transport Information

**DOT (Department of Transportation):**  
**Proper Shipping Name:** Not regulated  
**Hazard Class:** Not regulated  
**Identification Number:** Not applicable

## 15. Regulatory Information

**CERCLA (Comprehensive Environmental Response Compensation and Liability Act):** No Reportable Quantity  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200:** Magnesium silicate hydrate (no asbestos fibers), copper.  
**SARA Title III (Superfund Amendments and Reauthorization Act):** This material contains COPPER (CAS# 7440-50-8, 1-5%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.  
**TSCA (Toxic Substances Control Act):** Ingredients of this product are on the Inventory list.

## 16. Other Information

**NFPA Hazard Ratings:**      **Health - 1**  
**none → extreme**      **Fire - 0**  
**0 → 4**      **Reactivity - 0**  
   **PPE - B**

**WHMIS Classification:** D2B  
**Canadian Environmental Protection Act (CEPA):** N/A  
**EINECS:** EINECS Listed

**Reason for Issue:** Reviewed, added and moved information in multiple sections in preparation for the new GHS format. Change to Section 9.

**Prepared by:** Dale Gatehouse, Entreprises Krenda Inc.  
**Approved by:** Lisa Baxter, New Pig Corporation  
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**MSDS Number:** MSD-163

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