

# MATERIAL SAFETY DATA SHEET

## 1. COMPANY IDENTIFICATION

**Product Name:** Brofix Copper  
**Product Number:** FG600462550-24

**Supplier's Name:** Brodi Specialty Products Ltd.  
**Supplier's Address:** 250 Cochrane Drive, Unit 9, Markham, ON, L3R 8E5

**Date Prepared:** January 1<sup>st</sup>, 2009  
**Emergency Phone:** 1- (800) 424-9300  
**Information Phone:** 1-(877) 744-0751

**Prepared By:** MSDS Co-ordinator, (877) 744-0751 ext 205, Brodi Specialty Products Ltd

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
Diglycidyl Ether of Bisphenol A	25085-99-8	7% to 13%
INGESTION LD(50): >5000 mg/kg (rat)		
SKIN ABSORPTION: 20000 mg/kg (rabbit)		
Novolac Epoxy Resin	28064-14-4	3% to 7%
ORAL LD50: >2000 mg/kg (Rat)		
SKIN ABS LD50: >2000 mg/kg (Rabbit)		
SENSITIZATION SKIN: Has caused allergic skin reactions in guinea pigs.		
* COPPER POWDER	7440-50-8	1% to 5%
INHALATION TLV-TWA: 1 mg/m3 (dust)		
2,4,6-TRIS(DIMETHYLAMINO)METHYL PHENOL	90-72-2	1% to 5%
SKIN IRRITATION: 8 (scale 0-8) (rabbit)		
ORAL LD(50): 1653 mg/kg (rat)		
INHALATION LC(50): >0.5 mg/L (rat)		
EYE IRRITATION: 110 (scale 0-110) (rabbit)		
DOT CORROSIVITY: neg. (rabbit)		

## 3. HAZARDS IDENTIFICATION

Potential Health Effects

**EYE:**

May cause moderate eye irritation.

**SKIN:**

Has caused allergic skin reactions in humans. A single exposure not likely to cause skin irritation. Prolonged and repeated contact may cause skin irritation with local redness.

**INGESTION:**

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

**INHALATION:**

Vapors are unlikely due to physical properties.

**CHRONIC (CANCER) INFORMATION:**

N/A

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

N/A

**REPRODUCTION INFORMATION:**

N/A

## 4. FIRST AID MEASURES

**EYES:**

Flush eyes thoroughly with water for several minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**SKIN:**

Wash skin with plenty of soap and water.

**INGESTION:**

No emergency medical treatment necessary.

**INHALATION:**

N/A

**NOTE TO PHYSICIANS:**

Consider additional thorough skin wash with mild, non-abrasive soap and plenty of warm water for at least fifteen minutes.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** > 140F Method: N/A

**FLAMMABLE LIMITS:**

Lower flammable limit: N/A

Upper flammable limit: N/A

**AUTOIGNITION TEMPERATURE:**

N/A

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon dioxide, carbon monoxide, oxides of nitrogen and sulfur.

**EXTINGUISHING MEDIA:**

FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG, OTHER

**FIREFIGHTING INSTRUCTIONS:**

Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool.

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.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILLS:**

Dispose of in normal manner in accordance to all applicable state, federal, and local laws. Not a hazardous waste.

**7. HANDLING AND STORAGE**

**HANDLING:**

No special precautions needed.

Personal hygiene- Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities.

Professionally launder contaminated clothing before use.

Empty container precautions- Do not reuse empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

**STORAGE:**

Temperature- Less than 90 F.

Conditions- Store in cool, dry, well-ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

Local exhaust: Use to keep exposures below recommendations.

Use if material is heated above 100 F.

**RESPIRATORY PROTECTION:**

None required in a well-ventilated area.

**SKIN PROTECTION:**

Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for the specific operation.

**EYE PROTECTION:**

Safety glasses or goggles.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: N/A

MELTING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble in water

SPECIFIC GRAVITY: 1.96232

pH: N/A

VOLATILE ORGANIC COMPOUNDS: <0.1%

ODOR: Mercaptan/sulfur

APPEARANCE: Putty

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

This product is stable.

**INCOMPATIBILITY:**

None.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon dioxide, aldehydes, acids, oxides of sulfur and nitrogen

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

EYE: N/A

SKIN: N/A

INGESTION: N/A

INHALATION: N/A

SUBCHRONIC: N/A

CHRONIC/CARCINOGENICITY: N/A

TERATOLOGY: N/A

REPRODUCTION: N/A  
MUTAGENICITY: N/A

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: N/A  
CHEMICAL FATE INFORMATION: N/A

13. DISPOSAL CONSIDERATIONS

Incinerate in furnace or bury in landfill in accordance with all applicable regulations.  
Not classified as a hazardous waste.

14. TRANSPORT INFORMATION

Not DOT regulated.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION: D2B. When this product is labeled as a consumer product, it is exempt from WHMIS regulations. (See Section 12(f) of the Hazardous Products Act).  
U.S. FEDERAL REGULATIONS: TSCA: All ingredients are TSCA listed.  
OSHA: Not OSHA regulated.  
CERCLA: SARA HAZARD CATEGORY: N/A  
SECTION 313: Materials marked with a "\*" in section 2 of this data sheet are regulated by section 313 of Title III (SARA 313) and of 40 CFR 372 and are contained in this product above the prescribed de minimus level.  
INTERNATIONAL REGULATIONS:  
CANADIAN WHMIS: DB2 skin sensitizer.  
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): N/A  
EINECS: EINECS listed.  
STATE REGULATIONS:  
CALIFORNIA PROPOSITION 65  
This product contains the following chemicals known to the state of California to cause cancer or reproductive toxicity  
None  
The following ingredients are present in this material and are subject to reporting in accordance to the Pennsylvania, New Jersey, and/or Massachusetts Right-to-Know (RTK) laws:  
Magnesium Silicate Hydrate (CAS:14807-96-6)  
Polyether Polymercaptan (TRADE SECRET)  
Sodium Calcium Magnesium Silicate (CAS:65997-17-3)

16. OTHER INFORMATION

Hazard Ratings

NFPA Ratings: Health: 1 Fire: 0 Physical Data: 0 PPE: B

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 on 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.

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 unknown 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.