

# MATERIAL SAFETY DATA SHEET



**Date-Issued:** 12/10/2002  
**MSDS Ref. No:** 1801-5F  
**Date-Revised:** 12/10/2002  
**Revision No:** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Fine braided copper wire with rosin flux  
**PRODUCT CODE:** 1801 -- 1806, 1808 -- 1813, 1826-5F,-10F, 1828-5F

### MANUFACTURER

### 24 HR. EMERGENCY TELEPHONE NUMBERS

Techspray, L.P.  
1001 N.W. 1st Street  
P.O. Box 949  
Amarillo, TX 79107  
**Contact:** Chemtrec  
**Product Stewardship:** 1-800-858-4043

**CHEMTREC (U.S.):** (800) 424-9300  
**CANUTEC:** (613) 996-6666  
**Emergency Phone:** 1-800-858-4043

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Abietic acid	<5	8050-09-7	

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Copper braid with resin on surface.

**IMMEDIATE CONCERNS:** May cause skin/eye irritation. May be harmful if swallowed.

### POTENTIAL HEALTH EFFECTS

**EYES:** Moderately irritating to the eyes.

**SKIN:** Prolonged or repeated contact may cause skin irritation.

**INGESTION:** May cause vomiting.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Contact may cause eye irritation.

**SKIN:** May cause slight irritation.

**INGESTION:** For large amounts; abdominal pain, nausea and vomiting.

**INHALATION:** No observable effects of overexposure.

**ACUTE TOXICITY:** Low hazard for usual industrial or commercial handling.

**CHRONIC:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**CARCINOGENICITY:** Not Established

**MUTAGENICITY:** Not Established

#### **REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** Not Established

**TERATOGENIC EFFECTS:** Not considered a developmental toxicant.

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### **4. FIRST AID MEASURES**

**EYES:** Flush eye with water for 15 minutes. Get medical attention.

**SKIN:** Immediately flush with large amounts of water. Use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention.

**INGESTION:** If swallowed, gently wipe or rinse the inside of the mouth with water. **DO NOT** induce vomiting. Sips of water may be given if person is fully conscious. Never give anything by mouth to an unconscious or convulsing person. Immediately contact a poison control center, emergency room or physician as further treatment may be necessary.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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### **5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** Not Available

**FLAMMABLE LIMITS:** N/A to N/A

**AUTOIGNITION TEMPERATURE:** Not Applicable

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLASHPOINT:** Not Applicable

**FIRE EXPLOSION:** Not Applicable

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### **6. ACCIDENTAL RELEASE MEASURES**

**GENERAL PROCEDURES:** Vacuum or sweep up material and place in a disposal container.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Wash thoroughly after handling.

**HANDLING:** Use with adequate ventilation.

**STORAGE:** Store in a cool place in original container and protect from sunlight.

**STORAGE TEMPERATURE:** Not Determined

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection.

Buna  
Butyl  
Natural Latex  
Neoprene  
Solvex

**RESPIRATORY:** NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**WORK HYGIENIC PRACTICES:** Wash hands before eating and wash before reuse.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** None

**APPEARANCE:** Copper braid with resin on surface.

**pH:** Not Applicable

**PERCENT VOLATILE:** None

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** Not Applicable

**FREEZING POINT:** Not Applicable

**MELTING POINT:** Not Established

**DENSITY:** Not Applicable

**SPECIFIC GRAVITY:** Not Applicable  
**VISCOSITY:** Not Applicable  
**MOLECULAR WEIGHT:** Not Applicable

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## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Stable. However, may decompose if heated.

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Forced combustion yields carbon and silicone oxides.

**INCOMPATIBLE MATERIALS:** Oxidizing materials.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** Not Established

**SKIN ABSORPTION:** Not Established

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** Not Established

**EYE EFFECTS:** Not Established

**SKIN EFFECTS:** Not Established

**SENSITIZATION:** Not Established

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Biodegradability - Minimal

**ECOTOXICOLOGICAL INFORMATION:** Not Established

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

**GENERAL COMMENTS:** Dispose of in a manner consistent with federal, state, and local regulations.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Nonhazardous  
**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated  
**UN/NA NUMBER:** N/A  
**PACKING GROUP:** N/A

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Nonhazardous  
**UN/NA NUMBER:** N/A  
**PACKING GROUP:** N/A  
**CANUTEC GUIDE:** N/A

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Nonhazardous  
**UN/NA NUMBER:** N/A  
**PACKING GROUP:** N/A

### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Nonhazardous  
**UN/NA NUMBER:** N/A  
**PACKING GROUP:** N/A

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## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** NHH, NPH

**313 REPORTABLE INGREDIENTS:** None

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** NOT listed

### EPA

**EPA RQ INGREDIENT:** None

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All chemicals in this product are listed on the TSCA Inventory.

**TSCA STATUS:** All chemicals in this product are listed in the TSCA inventory.

**RCRA STATUS:** NOT listed

**OSHA HAZARD COMM. RULE:** Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**CLEAN WATER ACT:** Not Available

### OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

**29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:**  
None of the chemicals in this product are considered highly hazardous by OSHA.

### CANADA

**WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM):** Not a controlled product.

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are listed on the Canadian DSL.

**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals known to the State of California to cause cancer.

## 16. OTHER INFORMATION

**APPROVED BY:** Pierce A. Pillon    **TITLE:** Chemist

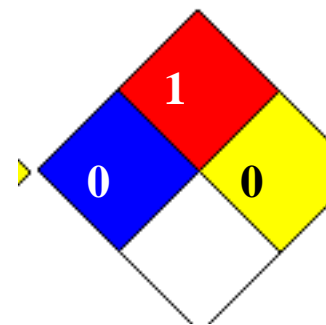
**REVISION SUMMARY** Revision #: 1

This MSDS replaces the December 10, 2002 MSDS. Any changes in information are as follows:  
In Section 1  
Product Code

### HMIS RATING

<b>HEALTH:</b>		<b>0</b>
<b>FLAMMABILITY:</b>		<b>1</b>
<b>PHYSICAL HAZARD:</b>		<b>0</b>
<b>PERSONAL PROTECTION:</b>		

### NFPA CODES



**DATA SOURCES:** Code of Federal Regulations (CFR)  
The Sigma-Aldrich Library of Regulatory and Safety Data  
OSHA Hazard Communication Standard (29CFR1910.1200)  
Various Federal, State and Local Regulations

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