



Chemical Name: Pro Wick 104-5F

Manufacturer: Tech Spray

Container size: 3.7mm

Location: VLA

Disposal: Place empty container in trash.

MATERIAL SAFETY DATA SHEET



Date Issued: 12/10/2002
 MSDS No: 1801-5F
 Date Revised: 04/07/2008
 Revision No: 4

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

Techspray, L.P.
 1001 N.W. 1st Street
 P.O. Box 949
 Amarillo TX 79107

Emergency Contact: Chemtrec
Product Stewardship: 1-800-858-4043
Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666
Emergency Phone :(800) 858 - 4043

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xi" - Irritant
 R36/38 - Irritating to eyes and skin.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Copper braid with resin on surface.

IMMEDIATE CONCERNS: May cause skin/eye irritaton. 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 EFFECTS: 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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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Abietic acid	< 5	8050-09-7	
Copper	> 95	7440-50-8	231-159-6

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.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Available

FLAMMABLE LIMITS: N/A to N/A

AUTOIGNITION TEMPERATURE: Not Applicable

FIRE EXPLOSION: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Copper	TWA	NL [1]	[1]	NL		NL	
OSHA TABLE COMMENTS:							
1. * NL = Not Listed							

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. Viton, Solvex, Butyl, Buna, Neoprene.

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.

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

FLASHPOINT AND METHOD: Not Available

DENSITY: Not Applicable

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SPECIFIC GRAVITY: Not Applicable

VISCOSITY: Not Applicable

MOLECULAR WEIGHT: Not Applicable

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: Will not occur.

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

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

INCOMPATIBLE MATERIALS: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Not Established

DERMAL LD₅₀: Not Established

SKIN ABSORPTION: Not Established

ORAL LD₅₀: Not Established

INHALATION LC₅₀: Not Established

EYE EFFECTS: Not Established

SKIN EFFECTS: Not Established

SENSITIZATION: Not Established

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Biodegradability - Minimal

ECOTOXICOLOGICAL INFORMATION: Not Established

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.

14. TRANSPORT INFORMATION

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DOT (DEPARTMENT OF TRANSPORTATION)

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

ROAD AND RAIL (ADR/RID)

HAZARD CLASS: No classification

AIR (ICAO/IATA)

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

VESSEL (IMO/IMDG)

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

CANADA TRANSPORT OF DANGEROUS GOODS

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

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: NHH, NPH
313 REPORTABLE INGREDIENTS: Copper (CAS No. 7440-50-8)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Copper	> 95	7440-50-8

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: NOT listed

EPA

EPA RQ INGREDIENT: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
Abietic acid	8050-09-7
Copper	7440-50-8

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.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS

CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

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

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

CANADA

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

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

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"Xi" - Irritant
 R36/38 - Irritating to eyes and skin.

16. OTHER INFORMATION

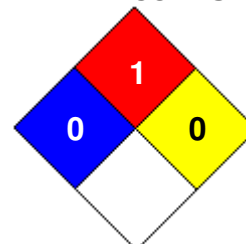
APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

REVISION SUMMARY: Revision #: 4. This MSDS replaces the December 20, 2004 MSDS. Any changes in information are as follows: In Section 16: General Statements

HMIS RATING

HEALTH:	0
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES



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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

GENERAL STATEMENTS: This MSDS was reviewed on 7 April 2008.

MANUFACTURER DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, L.P., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.