

# MATERIAL SAFETY DATA SHEET



Date Issued: 12/10/2002  
 MSDS No: 1801-5F  
 Date Revised: 10/15/2009  
 Revision No: 5

## PRO WICK Desoldering Braid

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PRO WICK Desoldering Braid  
**PRODUCT DESCRIPTION:** Fine braided copper wire with rosin flux  
**PRODUCT CODE:** 1801 -- 1806, 1808 -- 1813, 1826, 1828

#### 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

# MATERIAL SAFETY DATA SHEET



Date Issued: 12/10/2002  
 MSDS No: 1801-5F  
 Date Revised: 10/15/2009  
 Revision No: 5

## PRO WICK Desoldering Braid

**REPRODUCTIVE EFFECTS:** Not Established

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

### 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

# MATERIAL SAFETY DATA SHEET



Date Issued: 12/10/2002  
 MSDS No: 1801-5F  
 Date Revised: 10/15/2009  
 Revision No: 5

## PRO WICK Desoldering Braid

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Copper	<b>TWA</b>	NL [1]	[1]	NL		NL	
<b>OSHA TABLE COMMENTS:</b>							
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

# MATERIAL SAFETY DATA SHEET



Date Issued: 12/10/2002  
MSDS No: 1801-5F  
Date Revised: 10/15/2009  
Revision No: 5

## PRO WICK Desoldering Braid

**MELTING POINT:** Not Established  
**FLASHPOINT AND METHOD:** Not Available  
**DENSITY:** Not Applicable  
**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 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

### 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



# MATERIAL SAFETY DATA SHEET

Date Issued: 12/10/2002  
 MSDS No: 1801-5F  
 Date Revised: 10/15/2009  
 Revision No: 5

## PRO WICK Desoldering Braid

compliance with proper authorities before disposal.

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

### 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

#### 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

# MATERIAL SAFETY DATA SHEET



Date Issued: 12/10/2002  
 MSDS No: 1801-5F  
 Date Revised: 10/15/2009  
 Revision No: 5

## PRO WICK Desoldering Braid

**EMERGENCY PLAN:** NOT listed

### EPA

**EPA RQ INGREDIENT:** None

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

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 #: 5. This MSDS replaces the April 07, 2008 MSDS.

# MATERIAL SAFETY DATA SHEET



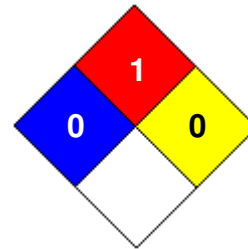
Date Issued: 12/10/2002  
 MSDS No: 1801-5F  
 Date Revised: 10/15/2009  
 Revision No: 5

## PRO WICK Desoldering Braid

### 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

**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.