

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION**Company Address:**8125 Cobb Center Drive
Kennesaw, GA 30152Product Information: 800-TECH-401
Customer Service: 800-645-5244Emergency: (Chemtrecc) 800-424-9300
Revision Date: February 17, 2010**Product Identification****CIRCUITWORKS® LEAD-FREE POCKET SOLDER****Product Code: S200****SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Wt. % Range
Tin	7440-31-5	95.0-97.0
Silver	7440-22-4	2.5-3.5
Copper	7440-50-8	0.1-0.9
Rosin	8050-09-7	2.0-4.0

SECTION 3: HAZARD IDENTIFICATIONEmergency Overview: Silver, metallic solid.Potential Health Effects:Eyes: Molten solder can cause severe burns. Soldering fumes may be irritating to the eyes.Skin: Molten solder can cause severe burns. Prolonged contact may cause skin irritation and/or sensitization.Ingestion: Dust ingestion may be harmful and result in irritation to mouth, throat and stomach.Inhalation: Vapors from soldering processes may cause irritation of the nose and throat. Respiratory sensitization may result from inhalation of rosin fumes.Pre-Existing Medical Conditions Aggravated by Exposure: Lung, skin, eye.**SECTION 4: FIRST AID MEASURES**Eyes: Seek immediate medical attention for burns. If eye irritation occurs immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined by medical personnel if irritation develops or persists. For treatment of burns seek immediate medical attention.Skin: If burned by molten solder, seek immediate medical attention. If skin irritation occurs, wash skin with soap and water. Remove contaminated clothing and wash clothing separately before reuse. Get medical attention if irritation develops or persists.Ingestion: For ingestion of dust, seek immediate medical attention.Inhalation: I Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.**SECTION 5: FIRE FIGHTING MEASURES**Flash Point: Not applicableLEL/UEL: Not established (% by volume in air)Extinguishing media: The use of carbon dioxide or dry chemical is compatible when fighting fires involving this material.Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus (pressure-demand, OSHA/NIOSH approved or equivalent) and full protective gear.**SECTION 6: ACCIDENTAL RELEASE MEASURES**Large and Small Spills: Wear appropriate personal protective equipment. Let spilled molten solder cool to room temperature, then place in a waste container for proper disposal. Dust generation should be avoided. Do not discard in general trash.**SECTION 7: HANDLING AND STORAGE**Avoid prolonged or repeated contact of fumes with eyes, skin, and clothing. Wash hands before eating. Use with adequate ventilation. Avoid breathing fumes given off by the molten product. **KEEP OUT OF REACH OF CHILDREN.****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	ACGIH STEL
Tin	2.0 mg/m ³	2.0 mg/m ³	NA
Silver	0.1 mg/m ³	0.01 mg/m ³	NA
Copper	1.0 mg/m ³	1.0 mg/m ³	NA

Work/Hygienic Practices: Ventilation is recommended to control airborne levels of soldering process vapors. Wear safety glasses with side shields or goggles when using this product.NFPA and HMIS Codes:

	NFPA	HMIS
Health	1	1
Flammability	0	0
Reactivity	0	0
Personal Protection	-	-

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIESPhysical State: Silver, metallic solidOdor: Slight rosin odorpH: NAVapor Pressure: negligibleVapor Density: NA (Air =1)Percent Volatile: NABoiling Point: >1700°F (>927C)Solubility in Water: NegligibleSpecific Gravity: (Water =1) 7.9Evaporation Rate: NA

(Butyl acetate=1)

Viscosity: NAMelting Point: 420°F (216C)

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable.

Conditions to Avoid: None known

Incompatibility: Do not mix with acids, bases or strong oxidizing materials. Molten solder may react violently with water.

Products of Decomposition: At high temperatures molten solder may emit toxic fumes.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation:

Not available

Cancer Information: No ingredients listed as human carcinogens by NTP or IARC

Reproductive effects: none

Teratogenic effects: none

Mutagenic effects: none

SECTION 12: ECOLOGICAL INFORMATION**Environmental Impact Information**

Avoid runoff into storm sewers and ditches, which lead to waterways. Water runoff can cause environmental damage.

REPORTING

US regulations require reporting spills of this material that could reach any surface waters. The toll-free number for the US Coast Guard National Response Center is: **1-800-424-8802**

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations. Metals may be reclaimed from waste material.

SECTION 14: TRANSPORTATION INFORMATION

Proper

Shipping Name

Air: Solder

Not regulated

Ground: Solder

Not regulated

SECTION 15: REGULATORY INFORMATION**SECTION 313 SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Chemical Name

CAS#Wt.

% Range

Silver

7440-22-4

2.5-3.5

This information should be included on all MSDSs copied and distributed for this material.

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All ingredients of this product are listed on the TSCA Inventory.

WHMIS: Class D2B

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

Product should be used only with adequate ventilation. Mechanical ventilation is recommended on all soldering stations. If such ventilation is not available, personnel should wear NIOSH approved organic vapor respirators equipped with particulate dust filters specified for use during welding or soldering.

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.