

Superior Solder Pastes



MATERIAL SAFETY DATA SHEET SUPERIOR LEAD-FREE SOLDER PASTE

DATE REVISED: June 7, 2004



Product Name: Superior Lead-Free Solder Paste

Manufacturer: Superior Flux & Mfg Co. 6615 Parkland Blvd. Cleveland, OH 44139

Emergency Phone Number: 1-800-424-9300 (CHEMTREC)

Other Information Calls: (440) 349-3000

To the Purchaser: This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

H.M.I.S. INFORMATION: HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 1

SECTION I - IDENTIFICATION

Common Name: Superior Solder Paste

Chemical Family: Metal Paste

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II - COMPOSITION INFORMATION

Components	CAS Number	OSHA PEL	ACGIH TLV	Other Recommended Limit
Tin	7440315	2.0MG/M ³	2.0MG/M ³	NA
Silver	7449224	0.10 MG/M ³	0.10 MG/M ³	NA

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

SECTION III - HEALTH HAZARDS

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with Water for 10 Minutes. Call a Physician.

Skin: Wash Thoroughly with Water.

Inhalation: Remove to Fresh Air or Administer Oxygen. Call Physician.

Ingestion: Get Medical Attention.

Primary Routes of Entry: Fume Inhalation, Ingestion, Skin, and Eyes.

Symptoms of Overexposure: No Specific Information Available.

Medical Conditions Generally Aggravated by Overexposure: None Presently Known.

Chemical Listed as a Carcinogen or Potential Carcinogen: None Known

OSHA Permissible Exposure Limit (PEL): NA

ACGIH Threshold Limit Value (TLV): NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Core>140°C

Metal: NA

Flammable Limits: NA

Extinguishing Media: Special Mixtures of Dry Chemicals Suitable for Metal Fires Such as Dry Sand, Dolomite, Graphite, Salt, Soda Ash. **Do Not Apply Water to Burning or Melted Metal.** Water Can be Used to Cool Containers When No Contact with Metal Will Occur.

Auto Ignition Temperature: NA

Special Fire Fighting Procedures: Avoid Breathing Fumes, Smoke From Fire, And Use Self-Contained Breathing Gear.

Unusual Fire and Explosion Hazards: None Known.

Superior manufactures quality solder pastes. Our business is solving problems.



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& Mfg. Co.**

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SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Protect Skin and Eyes by Wearing Safety Glasses and Gloves. Ventilate the Area. Restrict and Collect Spilled Materials.

SECTION VI - HANDLING AND STORAGE

Storage Requirements: Store in Low Temperature and Low Humidity Area.

Handling Precautions: Users Should Wear Protective Gloves and Glasses When Handling Solder Paste. Soldering Should be Conducted in Good Ventilation Environment.

Other Precautions: Keep the Tin, Silver, and Lead Fume Levels Below the OSHA Permissible Exposure Limit.

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved. **Ventilation:** Yes

Mechanical (General): Optional **Local Exhaust:** Yes

Eye Protection: Safety Glasses **Protective Gloves:** Rubber Gloves

Other Protective Clothing or Equipment: Laboratory or Worker Coat.

Work/Hygienic Practices: Wash Hands After Handling the Product, Wear Safety Glasses During Handling.

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA

Specific Gravity (Water = 1): 4.0-5.5

Vapor Pressure (mm Hg): NA

Percent Volatile by Volume: NA

Vapor Density (Air = 1): NA

Evaporation Rate (Butyl Acetate = 1): NA

Melting Point: 183°C

Solubility in Water: Partial

Reactivity in Water: None

Appearance and Odor: Pasty and Mild Solvent Odor

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable **(Conditions to Avoid):** Contact With Strong Acids and Alkali.

Incompatibility: Strong Acids and Alkali.

Hazardous Decomposition Products: Not Determined.

Hazardous Polymerization: Not Determined. **(Conditions to Avoid):** Not Determined.

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. Proper Shipping Name: Non-Hazardous

Hazard Class: NA

Identification Number: NA

Packing Group: NA

Type D.O.T Label Required Information: NA

Waste Disposal Method: Solder Paste Contains Lead. Follow State, Federal Regulations and Local Ordinances in Disposing of Solder Paste. Refer to EPA Regulation 40 CFR, Part 250.

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