

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

**IDENTITY** (As Used on Label and List)  
 SOLDER PASTE 63/37(86-88%)

*Note: Blank space are not permitted. If and item is not applicable, or no information is available, the space must be marked to indicate that.*

<b>Section I</b>	
Manufacturer's Name CMT DIVISION OF PRECISE ALLOYS	Emergency Telephone Number 732-233-5951
Address (Number, Street, City, State, and ZIP Code) 684 E. 133rd Street, Bronx, N.Y. 10454	Telephone Number for Information 1-800-345-2660
	Date Prepared 7/1/03
	Signature of Preparer (optional) HAL STUHLER

<b>Hazardous Ingredients/Identity Information</b>				
<b>Ingredients (Special Chemical Identity; Common Name(S))</b>	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Tin</b> CAS NO. 7440-31-5	2.0 mg/cum	2.0 mg/cum	54-57	
<b>Lead</b> CAS NO. 7439-92-1	0.05mg/cum	0.05mg/cum	32-33	
<b>Rosins</b> CAS NO. 8050-09-7			4-7	

<b>Section III - Physical/Chemical Characteristics</b>			
Boiling Point (C°) N/A		Specific Gravity (H2O = 1)	
Vapor Pressure (mm Hg.) N/A		Melting Point N/A	
Vapor Density (AIR = 1) N/A		Evaporation Rate NIL	
Solubility in Water INSOLUBLE			
Appearance and Odor Grey,heavy viscosity paste, mild odor			

<b>Section IV - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) N/A	Flammable Limited N/A	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures: If involved in fire, use full protective clothing and NIOSH/MSHA approved self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards When heated to high temperatures lead emits highly toxic fumes			
(Reproduce locally)			OSHA 174, Sept. 1985

<b>Section V - Reactivity Data</b>			
Stability Unstable		Conditions to Avoid N/A	
Unstable	X		
Incompatibility (Materials to Avoid) Oxidizing materials, strong acids			
Hazardous Decomposition Thermal decomposition may produce CO, CO2, abietic acid aliphatic aldehydes, terpenes and other acids			
Hazardous Polymerization Will Not Occur	X	Conditions to Avoid n/a	

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

Carcinogenicity:	NTP	IARC Monographs?	OSHA Regulated?
			No

Signs and Sympt *LEAD-Exposure to high levels of airborne or ingested lead may produce symptoms of anemia, insomnia, weakness, constipation, nausea and abdominal pain. Overexposure may cause damage to blood-forming, nervous, reproductive, intestinal and urinary systems. For occupational exposure requirements see 29CFR1910.1025 Lead Standard and its appendices. CHRONIC TOXICITY- Women of children bearing age should avoid exposure to lead and its inorganic compounds due to post-natal effects. Lead can cause potential injury to a developing fetus and possible effects on reproduction. LISTED CARCINOGENS- None of the metal elements of this product are confirmed to humans as carcinogens at this time by NTP, IARC, or OSHA. IARC classifies lead and some lead compounds as 2B carcinogens(possibly carcinogenic to humans).*

Medical Conditions  
 Generally Aggrav *Diseases of the blood and blood forming organs, kidneys, nervous and possibly reproductive systems. Chemical hypersensitivity and diseases of the lungs.*  
 Emergency and f *INHALATION-If inhaled when heated to soldering temperatures remove individual to fresh air. If breathing is difficult administer oxygen and consult physician. INGESTION- Call a physician or Poison Control Center immediately-Never give anything by mouth to an unconscious person. SKIN CONTACT- Wash exposed area with soap and water-Remove contaminated clothing. EYE CONTACT- Flush with large amounts of water lifting upper and lower lids.Get medical attention.*

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Mate *Material is a heavy viscous paste. Scoop into appropriate containers. Clean with degreasing detergent or solvent such as alcohol.*  
 Waste Disposal Method: *Reclaim(recycle) solder alloy portion of paste or store in sealed conainers for later disposal*  
 Precautions to Be Taken in Hanc *Read all container labeling. Food and drink should not be consumed or tobacco products used, nor cosmetics applied in areas where solder paste is used. Always wash hands often.*  
 Other Precautions: *Since empty containers may retain product residues(vapor,liquid, or solid) all labeled hazard precautions must be observed. FOR INDUSTRIAL USE ONLY KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.*

**Section VIII - Control Measures**

Respiratory Protection(Specify T *If threshold limit value is exceeded or ventilation is not adequate to remove smoke from the breathing zone then a NOISH/MSHA approved cartridge type respirator for organic fume should be worn.*

Ventilation	Local Exhaust	Mechanical (general)	Special
	YES	NOT REQUIRED	NOT REQUIRED

Protective Gloves: YES  
 Eye Protection : YES

Other Protective Clothing or Equipment:

Work/Hygienic P1 *Wash hands with soap and water-OFTEN.*