

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
No. 0001

IDENTITY (As listed on label and list)
Marked by XX below

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

☒ Sn60 WRAP3				
☐ Sn60 WRAP21A				
☐ Sn60 WRAP21B				
☐ Sn60 WRAP2				
☐ Sn60 WRAP22				
☐ Sn60 WRAP1				
☐ Sn60 329				
☐ Sn60 366				

Section I

Manufacturer's Name <u>Multicore Solder, Inc.</u>	Emergency Telephone Number <u>214-238-1224</u>
Address (Number, Street, City, State, and ZIP Code) <u>Cantiague Rock Road</u>	Telephone Number for Information <u>516-334-7997</u>
<u>Westbury, New York 11590</u>	Date Prepared <u>February 22, 1988</u>
	Signature of Preparer (optional) <u>[Signature]</u>

Section II — Hazardous Ingredients/Identity Information

n/a - not applicable

Hazardous Component(s) (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	Ref (optional)
Lead <u>91%</u> CAS NO. 7439-92-1	0.05 mg/m ³	0.15 mg/m ³		
Tin <u>9%</u> CAS NO. 7440-31-5	not listed	2.0 mg/m ³		
Rosin <u>0%</u> CAS NO. 8050-09-7	not listed	n/a		

*Rosin may decompose during soldering to emit formaldehyde (TLV=0.1mg/M³) or turpentine (TLV=100ppm).

Section III — Physical/Chemical Characteristics

Boiling Point	n/a	Specific Gravity (H ₂ O = 1)	250	8
Vapor Pressure (mm Hg)	n/a	Melting Point		183° C
Vapor Density (AIR = 1)	n/a	Evaporation Rate (Butyl Acetate = 1)		n/a

Solubility in Water
Insoluble

Appearance and Odor
Gray metal with neutral odor.

DO 074761
CONFIDENTIAL

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) <u>n/a</u>	Flammable Limits <u>n/a</u>	LEL	UEL
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Extinguishing Media
Carbon dioxide, Dry chemical

Special Fire Fighting Procedures
Use full body protective clothing and full-face piece, self-contained breathing apparatus, operated in a positive-pressure mode.

Unusual Fire and Explosion Hazards
Do not use water on fires where molten metal is present. High temperatures may produce heavy metal fumes, dust and/or vapor.

(Reproduce locally)

Stability	Unstable	Conditions to Avoid
	Stable	None Known
Incompatibility (Materials to Avoid)		
Strong Oxidizers		
Hazardous Decomposition or Byproducts		
High temperatures may produce heavy metal fumes, dust and/or vapor.		
Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	None Known

Section VI — Health Hazard Data

Routes of Entry:	Inhalation?	Skni?	Ingestion?
Hazardous Materials (Acute and Chronic)			
ACUTE: Weakness, vomiting, loss of appetite, convulsions, stupor and possible coma.			
CHRONIC: Weakness, insomnia, hypertension, slight irritation of the eyes, headache, possible paralysis. Chronic overexposure to lead may result in damage to blood-forming, nervous, urinary and reproductive systems.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
No ingredients listed as carcinogens.			

Signs and Symptoms of Exposure
Dust, vapor and/or fumes may be irritating to skin, eyes, and respiratory system.

Medical Conditions
Generally Aggravated by Exposure Note: to physicians- Lead and its inorganic compounds are neurotoxins which may produce neuropathy. Rosin is an allergen.

Emergency and First Aid Procedures
Eyes: Flush with copious quantities of water. Get immediate medical attention.
Skin: Wash with soap and water. INHALATION: Remove from exposure. Get medical attention if experiencing effects of overexposure. INGESTION: Get immediate medical attention.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Particulate matter should be stored in dry containers for later disposal. Dust material should be vacuumed or wet-swept. Do not use compressed air or dry sweeping as a means of cleaning.

Waste Disposal Method
Dispose of hazardous wastes in accordance with local, state and federal regulations.
Consult a licensed hazardous waste company.

Precautions to Be Taken in Handling and Storage
Wash hands with soap and water after handling solder. Store in dry areas. Avoid skin contact. Avoid breathing smoke during soldering.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Source Type)			
As specified by 29 CFR 1910.1025 (F) if exposure exceeds PEL.			
Ventilation	Local Exhaust	Special	Not normally needed.
	Mechanical (General)	Other	
	Remove smoke from breathing area.		n/a
	Adequate		
Protective Gloves	Impervious	Eye Protection	Face shield or safety glasses.
Other Protective Clothing or Equipment			
Personal clothing and shoes should be protected from contamination.			
Work Hygiene Practices			
Wash hands thoroughly before eating or smoking.			