Material Safety Data Sheet

MSDS Date: 1/7/99

MSDS No: 7047

Identity:

Date Printed: 1/8/99

Multicore Solders, Inc. 1751 Jay Ell Drive Richardson, TX 75081

Sn63 (Sn63Pb37) CRYSTAL 502 2%

Sn63 (Sn63Pb37) CRYSTAL 502 3%

1-3

Preparer: Robert Gilbert
Information: 972-238-1224
IN THE EVENT OF CHEMICAL
EMERGENCIES INVOLVING A
SPILL, LEAK, FIRE, EXPOSURE,
OR ACCIDENT INVOLVING
CHEMICAL STATES
CHEMICA

CHEMICALS CALL:800-424-9300

Transportation Requirements:

D.O.T. Hazard Class: N/A D.O.T. Proper Shipping Name: N/A

UN/NA Code: N/A D.O.T. Label Required: N/A Packing Group: N/A

N.F.P.A. /Health: 2

Reactivity: 0

Section I (Hazardous Ingredients / Identity Information)

**SARA 313** Hazardous Components **OSHA ACGIH** CAS.

Percent Number Pel TLV 0.05 mg/m 3 0.05 mg/m 3 7439-92-1 35-40 Lead Tin 7440-31-5 2 mg/m<sup>3</sup> 2 mg/m<sup>3</sup> 60-65

Rosin core solder decomposition products as

8050-09-7

Sensitizer, Reduce

exposure as low as

possible.

Section II (Physical / Chemical Characteristics)

Boiling Point: N/A

resin acids colophony

Specific Gravity: (Water = 1) @ 25° C: 8

Vapor Density (Air=1): N/A

Evaporation Rate (Butyl Acetate=1): N/A

Vapor Pressure (mm Hg.): N/A

Percent Volatile By Volume: N/A 183 °C Melting Point:

Solubility in Water Insoluble.

Appearance and Odor, Gray metal with neutral odor,

Section III (Fire and Explosion Hazard Data)

Flash Point (Method Used) N/A
Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam Flammable Limits: LEL: N/A UEL: N/A

Special Fire Fighting Procedures: Use full body protective clothing and full face piece, self-contained breathing appartatus 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.

Section IV (Reactivity Data)

Stability: Unstable? No Stable? Yes

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition or By-products:

High temperatures may produce heavy metal fumes, dust and or vapors.

Hazardous Polymerization:

May Occur? No Will Not Occur? Yes Conditions to Avoid: None Known

NL - Not Listed N/A - Not Applicable

7047 No:

Section V

(Health Hazard Data)

Routes of Entry:

Inhalation? Yes Skin? No Ingestion? Yes Other None

Health Hazards (Acute and Chronic)

Weakness, vomiting, loss of appetite, convulsions, stupor and possibly 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, unnary and reproductive system.

California Proposition 65 Warning! This product contains a chemical known to the state of California to cause cancer, and that may cause birth defects or other reproductive harm.

Carcinogenicity: NTP? No IARC Monographs?Yes OSHA Regulated? No Other? No

Formaldehyde formed during the decomposition of rosin flux is listed as a suspected human carcinogen by ACGIH. Lead listed by IARC as 2B.

Signs and Symptoms of Exposure:

Dust, vapor and or fumes may be imitating 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 First Aid Procedures** 

Eves: Flush with copious quantities of water. Get 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 VI

(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 in accordance with local, state and federal regulations. Consult a licensed hazardous waste company.

Precautions to be Taken in Handling and Storing:

Wash hands with soap and water after handling solder. Store in dry area. Avoid skin contact. Avoid breathing smoke during soldering. Shelf life of 10 years if stored in a dry area at room temperature.

Other Precautions: None known.

Section VII

(Control Measures)

Respiratory Protection (Specify Type):

As specified by 29 CFR 1910,1025 (F) if exposure exceeds PEL.

Ventilation:

Local exhaust: Remove smoke from breathing area. Special: None needed

Mechanical (General): Adequate Other: None needed.

Protective Gloves: Impervious

Eye Protection: Face shield or safety glasses

Other Protective Clothing or Equipment:

Personal clothing and shoes should be protected from contamination. Eye wash station.

Work/Hygenic Practices:

Do not eat, drink or smoke in work areas. Wash hands thoroughly before eating or smoking.