SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : CHEM-POWER MFG DIV/ FOSTER AND COMPANY, INC.
15 Wing Drive EMERGENCY PHONE.....: 973-267-4100
Cedar Knolls PREPARATION/REVISION DATE: 02/14/02
NJ 07927
PREPARER/CONTACT: Gary Adams, Chemist

LOCATION : Whs 1

TRADE NAME/SYNONYMS...: ROSIN CORE SOLDER 1LB.
CHEMICAL NAME/SYNONYMS: **40%** Tin/60% Lead Solder
CHEMICAL FAMILY.....: Tin/Lead All Alloys;Rosin, Diprop.Glyco1
FORMULA.....: 1%Tin/99%Lead to 99%Tin/l%Lead-Core 1-3%
PRODUCT CODE.....: 514-201

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

HEALTH.....	1
FLAMMABILITY..	0
REACTIVITY....	0
PROTECTION....	X

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
ALLOYS: Tin/Lead Alloy containing from 1% Tin/99% Lead to 99% Tin/l% Lead.				
*Lead	7439-92-1	N/I	.05mg/m3	*see be1
Tin	7440-31-5	N/I	2mg/m3	N/I
Rosin	8050-09-7	N/I	N/I	N/I
Diprop. Glycol	25265-71-8	N/I	N/I	N/I

*There is an action level above which exposed employees blood must be monitored for Lead content. The action level is .03mg/M3. The maximum allowed in blood is .04mg/100gm. See 29 CFR 1910.1025.
*this ingredient is reportable under EPA SARA Title 111-please check applicable states for additional regulations.

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or 0SHA):NO

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
N/A	N/A	N/A	N/A	N/A	N/A

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-
THRESHOLD LIMIT VALUE: .05 milligrams/cubic meter of lead contained.
EFFECTS OF OVEREXPOSURE: Lead poisoning after long-term extreme exposure from ingestion or inhalation of compounds or fumes. Symptoms: metallic taste, abdominal pain, nausea, joint or muscle pain or weakness. Possible loss of weight, mental confusion, Lead line on gums.
OSHA regulations forbid blood levels of Lead above .04 mg/100 ml.for employees known to have any workplace exposure to Lead.

PRIMARY ROUTES OF ENTRY-
Inhalation, ingestion.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
None known.

EMERGENCY FIRST AID PROCEDURES-
Remove immediately from area; see physician. If burned from molten metal, give ordinary burn first aid. Do not attempt to remove rosin from second or third degree burns. Use solvents to remove rosin from minor first degree burns.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F)....: 250F*	SPECIFIC GRAVITY (WATER=l)..,.....: l.l*
VAPOR PRESSURE (mmHg): CORE	PERCENT VOLATILE BY VOLUME (%).....: 10-25%
VAPOR DENSITY (AIR=1): N/A	EVAPORATION RATE (ABOVE DATA CORE =1): ONLY

SOLUBILITY IN WATER-
Insoluble. *NOTE-BOIL PT,SOLDER->1700F.

APPEARANCE AND ODOR INFORMATION-
CORE: Clear solid at room temperature with light rosin odor. SOLDER: Metal1ic color, solid; gray to shiny silvery gray.
*NOTE: SPECIFIC GRAVITY SOLDER: 7.3 to 11.3.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): N/A FLAMMABLE LIMITS : Lel=N/A UEL=N/A

EXTINGUISHING MEDIA-
CORE: spray, foam, dry powder, C02. SOLDER: N/A.

SPECIAL FIRE FIGHTING PROCEDURES-
In extremely high temperature fires, lead may emit toxic fumes. Use a self-contained respiratory system. When in proximity to highly oxidizing materials at very high temperatures, lead may react vigorously. CORE: Class B fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS-
Moderate hazard when high concentration of very fine metallic dust is exposed to high heat or open flame. CORE: hot liquid rosin core may foam with liquid water.

INCOMPATIBILITY (Materials To Avoid)-
Material may be incompatible with acids, bases and oxidizers. Molten metal may react violently with water.

HAZARDOUS DECOMPOSITION PRODUCTS-
Temperature above the melting point may emit toxic fumes.

WILL HAZARDOUS POLYMERIZATION OCCUR-
Not known to occur.

CONDITIONS TO AVOID FOR POLYMERIZATION-
None known.

IS THE PRODUCT STABLE-
Yes, the product is stable.

CONDITIONS TO AVOID FOR STABILITY-
None known.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
Normal housekeeping for solid metal. Metallic powder or dust should be vacuumed or wet swept using a respirator and protective clothing.

WASTE DISPOSAL METHODS-
Scrap drippings and drosses should be stored in a closed container and returned to a lead recycler. Follow Federal, state and local regulations regarding disposal.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-

LOCAL EXHAUST: fume hood over work	MECHANICAL (General): 200ft air velocity
SPECIAL.....: area.	OTHER.....: into hood opening.

RESPIRATORY PROTECTION-
If necessary to prevent over-exposure, consult NIOSH.

PROTECTIVE GLOVES-
Use near molten or hot metal.

OTHER PROTECTIVE EQUIPMENT-
Safety Glasses, face shield if danger of splashing molten metal. Safety eyewash stations should be in close proximity.

OTHER ENGINEERING CONTROLS-
None deemed necessary.

WORK PRACTICES-
N/A

HYGIENIC PRACTICES-
Wash hands after use and before eating or using lavatory facilities.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-
Use good housekeeping practices to prevent accumulations of dust and to keep airborne dust concentrations at a minimum. Avoid breathing dust or fumes. Wash hands after handling. **Do** not smoke or expose food to dust. Keep area clean.

MAINTENANCE PRECAUTIONS-
N/A

OTHER PRECAUTIONS-
KEEP OUT OF REACH IF CHILDREN! Refer to **OSHA** Standard **29CFR 1910.1025** for control **of** employee exposure to lead.

ADDITIONAL COMMENTS-
Shipping Name: Bolts,nuts, **NOIBN. Class 50.**