



MATERIAL SAFETY DATA SHEET

11-15-85

CHEMICAL NAME AND SYNONYMS:

TRADE NAME: **144 Rosin Core Solder**

GENERAL FAMILY: D.O.T. SHIPPING CLASS: **NON-HAZARDOUS**

I. PHYSICAL DATA

BOILING POINT (°F)	N/A	SPECIFIC GRAVITY (WATER=1)	1.08
VAPOR PRESSURE ()	N/A	PERCENT VOLATILE (BY VOLUME)	4.5
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE ()	N/A
SOLUBILITY IN WATER (g by ml)	Insoluble	Softening point (drop method)	149°F
APPEARANCE AND ODOR	SOLID AMBER CORE INSIDE SOLDER WIRE		

II. HAZARDOUS INGREDIENTS

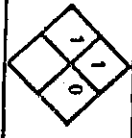
MATERIAL	%	TLV ()	C.A.S. REGISTRY #
ROSIN	95	N/A	8050-09-7
SOLDER WIRE CONTAINS ABOUT 3% BY WEIGHT FLUX			

ROSEIN MAY DECOMPOSE DURING HEATING TO LIBERATE ABOUT 5% TURPENTINE (TLV=100PPM). SOME ROSIN IS CARRIED UP IN SMOKE. NO LEAD FUMES ARE LIBERATED AT SOLDERING TEMPERATURES BELOW 1000°F.

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (C.O.C.)	420°F	FLAMMABILITY LIMITS IN AIR (S by volume)	LOWER: N/A	UPPER: N/A			
EXTINGUISHING MEDIA:	WATER	CARBON DIOXIDE	X	ALCOHOL FOAM	X	DRY CHEMICAL	X
SPECIAL FIRE FIGHTING PROCEDURES	NONE						
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE						

NFPA RATING:



The information contained herein is based on data considered accurate and given in good faith but no warranty, expressed or implied, is made.

EMERGENCY PHONE NUMBER (312) 235-1600

B **KESTER SOLDER**
 UNION
 4201 WRIGHTWOOD AVENUE
 CHICAGO, ILLINOIS 60639

580-2/81

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

EFFECTS OF OVER-EXPOSURE: Smoke during soldering can irritate eyes and respiratory tract. Rosin is an allergen - may cause rash, headache or throat irritation in a sensitive person.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush thoroughly with water and get medical attention.

SKIN CONTACT: Wash with soap and water.

INHALATION: Remove to fresh air.

INGESTION: N/A

V. REACTIVITY DATA

STABILITY:	UNSTABLE	CONDITIONS TO AVOID:
	STABLE X	
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers		
HAZARDOUS DECOMPOSITION PRODUCTS: Small amount of turpentine. May emit hydrogen chloride fumes (< 0.5% of flux) during soldering.		
HAZARDOUS POLYMERIZATION:	MAY OCCUR	CONDITIONS TO AVOID:
	WILL NOT OCCUR X	

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A

WASTE DISPOSAL METHOD: N/A

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Usually not required

LOCAL EXHAUST: Remove smoke from breathing area

VENTILATION: MECHANICAL (GENERAL): OTHER:

PROTECTIVE GLOVES: NO

OTHER PROTECTIVE EQUIPMENT: None

OTHER SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid eye contact with hot flux. Avoid breathing smoke during soldering. Wash hands before eating or smoking after handling solder wire.

OTHER PRECAUTIONS: Do not place flux cored solder wire into a hot solder pot. The flux may ignite.

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