



MATERIAL SAFETY DATA SHEET

00Z 506 ^{TRU} 00Z 525 8-10-81

CHEMICAL NAME AND SYNONYMS:

CHEMICAL FAMILY:

TRADE NAME: 444 RESIN CORE SOLDER

FORMULA:

P.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 wt)	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

* ROSIN 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 (% by volume)		LOWER: N/A	UPPER: N/A		
EXTINGUISHING MEDIA:	WATER	CARBON DIOXIDE	X	ALCOHOL FOAM	X	DRY CHEMICAL	X

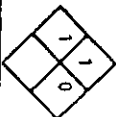
SPECIAL FIRE FIGHTING PROCEDURES

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) 235-1500

KESTER SOLDER
LITTON
4201 WRIGHTWOOD AVENUE
CHICAGO, ILLINOIS 60639

560-2781

NOT Considered Hazardous when shipped via UPS

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	MAY OCCUR	CONDITIONS TO AVOID:
POLYMERIZATION:	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	SPECIAL:
MECHANICAL (GENERAL):	OTHER:

VENTILATION

PROTECTIVE GLOVES: NO EYE PROTECTION: Safety glasses

OTHER PROTECTIVE EQUIPMENT: None

VIII. 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.