DPM 164-1

REC'D JUL 30 1987

MATERIAL SAFETY DATA SHEET

11-15-85

CHEMICAL NAME AND SYNONYMS:

CHEMICAL FAMILY: | TRADE NAME: 844 RESIN CORE SOLDER

FORMULA: | 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 (=1)	N/A
SOLUBILITY IN WATER (% 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
SOLDER WIRE CONTAINS ABOUT 3% BY WEIGHT FLUX			

*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		DRY CHEMICAL	

SPECIAL FIRE FIGHTING PROCEDURES	NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE

NFPA RATING: 1 / 1 / 0

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

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DES PLAINES, IL 60018
EMERGENCY PHN (312) 297-1600

360-2/81

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

VENTILATION	LOCAL EXHAUST: Remove smoke from breathing area	SPECIAL:
	MECHANICAL (GENERAL):	OTHER:

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.

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