D

282

DPM 164-2

REC'D SEP 22 1987

MATERIAL SAFETY DATA SHEET

11-15-85

CHEMICAL NAME AND SYNONYMS:

CHEMICAL FAMILY: | TRADE NAME: #282 ROSIN 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)	6
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (=1)	N/A
SOLUBILITY IN WATER (% by wt.)	Insoluble		
APPEARANCE AND ODOR	SOLID AMBER CORE INSIDE SOLDER WIRE		

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (ppm)	C.A.S. REGISTRY #
ROSIN*	94	N/A	8050-09-7
SOLDER WIRE CONTAINS ABOUT 3% BY	WEIGHT FLUX		

*ROSIN MAY DECOMPOSE DURING SOLDERING TO EMIT 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: 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.

EMERGENCY PHONE NUMBER (312) 235-1600

Litton KESTER SOLDER
4201 WRIGHTWOOD AVENUE
CHICAGO, ILLINOIS 60639

560-2/81

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

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 smoki after handling solder wire.

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

BOE-C6-0208421

DAC 25-2140 (12-73)

DPM/QPL REQUEST

JAL

DPM NO. 164-2
DMS QPL NO.
ISSUE NO.

NEW ☑ REV. ☐ DATE: 2-26-87 ENGINEER K. N. TERRY

GENERAL TITLE	SPEC. OR CLASS	ST. TEMP.	TOX.	FL. PT.	SHELF LIFE	LABEL
SOLDER, RESIN CORE, 60% TIN 40% LEAD	QQ-S-571	Ambient	4C	None	Indef.	

DAC CODE NO.

P.O. NOTES: P.O. TO SPECIFY diameter and spool size

GEN. NOTES: Spec.: QQ-S-571, Comp. Sn 60. Form [illegible], Type [illegible] Core P3

USED BY DPS: 1.34-5

	MANUFACTURER'S NAME	CITY, STATE	MFR.'S DESIGNATION
1.	Gardiner Solder Co.	La Mirada, CA	#XM-200
2.	Kester Solder Co.	Chicago, IL	# 282 Resin Core Solder (#66 Core)
3.			
4.			
5.			
6.			

LAB REPORT NO.

REASON FOR REQUEST: To conform to MIL-STD-[illegible] Req 5 for T-45

SPECIFY CHANGE(S) MADE:

M. L. Dist. List.

CHANGE INFO.	REQ'D	COMPL.
DPM LIST	✓	✓
DMS QPL LIST		
MMS LIST		
ALPHABETICAL LIST	✓	✓
NUM. VENDOR # LIST	✓	✓
SPEC. CROSS INDEX	✓	✓

NO. 164-2

BOE-C6-0208422