

177693

585



MATERIAL SAFETY DATA SHEET

11-15-85

CHEMICAL NAME AND SYNONYMS:

TRADE NAME: SPECIAL AL CORE FLUX

FORMULA: D.O.T. SHIPPING CLASS. NON-HAZARDOUS

I. PHYSICAL DATA

BOILING POINT (°F)	N/A	SPECIFIC GRAVITY (WATER=1)	1.34
VAPOR PRESSURE ()	N/A	PERCENT VOLATILE (BY VOLUME)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE ()	N/A
SOLUBILITY IN WATER (g by wt)	100		

FLUX IS CONTAINED INSIDE CORED WIRE

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (mg/m ³)	C.A.S. REGISTRY #
PRIMARY & SECONDARY AMINES	32	5	102-71-6
TIN FLUOROBORATE	10	N/A	13814-97-6
ZINC OXIDE	1	5	1314-13-2

SOLDER WIRE CONTAINS ABOUT 3% BY WEIGHT FLUX

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (C, O.C.)	290°C	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: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS

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

KESTER SOLDER
4201 WRIGHTWOOD AVENUE
CHICAGO, ILLINOIS 60639

OSHA PART #557269

94-11/85

SPECIAL AL FLUX CORE

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 5mg/m³ FOR AMINE FUMES PRODUCED AT SOLDERING TEMPERATURE
EFFECTS OF OVER-EXPOSURE: INHALATION OF FUMES PRODUCED DURING SOLDERING MAY CAUSE RESPIRATORY TRACT IRRITATION, PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION - NOT KNOWN TO BE A SENSITIZER - EYE CONTACT CAN CAUSE IRRITATION - EMERGENCY AND FIRST AID PROCEDURES.

EYE CONTACT: FLUSH WITH WATER FOR 15 MIN AND GET MEDICAL ATTENTION
SKIN CONTACT: WASH THOROUGHLY WITH WATER
INHALATION: REMOVE TO FRESH AIR
INGESTION: N/A

V. REACTIVITY DATA

STABILITY:	UNSTABLE	CONDITIONS TO AVOID: NONE
	STABLE	X

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: SnO₂, ZnO, NH₃, HF, NO_x and BF₃ AT HIGHER TEMPERATURES (TLV FOR FLOURIDE = 2.5mg/m³).

HAZARDOUS POLYMERIZATION:	MAY OCCUR	CONDITIONS TO AVOID: NONE
	WILL NOT OCCUR	X

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WASH AWAY WITH WATER

WASTE DISPOSAL METHOD: ACCORDING TO LOCAL REGULATIONS - EXCESS SOLDER WIRE CAN BE SOLD TO A METALS RECLAIMER -

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): NOT USUALLY REQUIRED	
VENTILATION	LOCAL EXHAUST, REMOVE FUMES FROM BREATHING AREA MECHANICAL (GENERAL): OTHER:

PROTECTIVE GLOVES: RECOMMENDED
OTHER PROTECTIVE EQUIPMENT: NONE
EYE PROTECTION: SAFETY GLASSES

VIII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: USE WITH ADEQUATE VENTILATION - AVOID INHALING FUMES AND REPEATED SKIN CONTACT WITH FLUX - AVOID EYE CONTACT WITH FLUX - NONE
OTHER PRECAUTIONS: NONE