

MATERIAL SAFETY DATA SHEET

FOR CORED SOLDER

CC0266

SECTION I

Manufacturer's Name: Kester Solder Company

22-4690

Street Address: 1201 W. Wrightwood Avenue

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City, State, and Zip Code: Chicago, Illinois 60639

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Emergency Telephone Number: (312) 235-1600

Chemical Name and Synonyms:

Trade Name: ACID CORE FLUX

Chemical Family:

Formula:

SECTION II - HAZARDOUS INGREDIENTS

	%	TLV (Units)		%	TLV (Units)
ZINC CHLORIDE	43	ppm NA*			

* Solder wire contains about 6% by weight flux
 Zinc chloride emits hydrochloric acid during the heat of soldering.
 35 ppm HCl causes irritation to throat
 Concentrations of 50-100ppm can be tolerated for 1-hour

SECTION III - PHYSICAL DATA

Boiling Point (° F)	230	Specific Gravity (Water = 1)	NA
Vapor Pressure (mm Hg.)	NA	Percent Volatile by Volume (%)	NA
Vapor Density (Air = 1)	4.4	Evaporation Rate (= 1)	NA
Solubility in Water	Complete		
Appearance and Odor: Flux is contained inside cored wire solder			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	380°F	Flammable Limits	LEL	U
G.O.C.				
Extinguishing Media:	Water	Carbon Dioxide	Alcohol Foam	Dry Chemical
Special Fire Fighting Procedures:				

Unusual Fire and Explosion Hazards:

Threshold Limit Value: 50-100 ppm for emitted hydrochloric acid
 Effects of Overexposure: Irritation to eyes and throat
 Chloride can burn or ulcerate skin. Inhalation - high hazard
 Mild sensitizer, may cause dermatitis on local contact
 Emergency and First Aid Procedures:
 Eye Contact: Wash with plenty of water, treat for burns
 Skin Contact: Wash with soap and plenty of water, treat for burns
 Inhalation: Remove to fresh air
 Ingestion: NA

SECTION VI - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid:
	Stable	X	
Compatibility (Materials to Avoid):			
Hazardous Decomposition Products: Hydrochloric acid vapors			
Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

SECTION VII - SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled:
 N/A

Waste Disposal Method:
 N/A

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Usually not required
 Ventilation: Local Exhaust: Remove smoke and fumes from breathing area. Special:
 Mechanical (General): Other:
 Protective Gloves: No
 Eye Protection: Avoid splattering hot flux into eyes
 Other Protective Equipment:

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:
 Flux may leak out of solder wire. Wash hands thoroughly after contacting flux.
 Avoid skin or eye contact with flux.
 Other Precautions: