

SOFT SOLDER FLUX ACTIVE ACID

MATERIAL SAFETY DATA SHEET

02/05/00
MSDS PROVIDED BY:
STOODY INDUSTRIAL AND WELDING SUPPLY, INC.
3316 National Ave., San Diego, CA 92113
Phone: (619) 234-6750
MILITARY EMERGENCY RESPONSE NUMBER 1 (800) 851-8061

Date Prepared: 10-20-99
Barry J. Marden

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FOR WELDING CONSUMABLES AND RELATED PRODUCTS

“ESSENTIALLY SIMILAR” To U.S. Department of Labor Form OSHA20
(to comply with OSHA’s Hazard Communication Standard 29 CFR 1910.1200)

SECTION I

Manufacturer’s Name:	American Chemical & Flux Products	Emergency Phone: (323) 723-0713
	Div. of Marco Company	(323) 723-0711
Address:	5722 Union Pacific Ave.	
	Los Angeles, CA 90022	
Product Trade Name(s):	Soft Solder Flux Active Acid	Product Type: Soldering Flux, Liquid Active Acid

SECTION II

HAZARDOUS INGREDIENTS/Identity Information

***IMPORTANT:** This section covers materials from which this product is manufactured.

N/A: None Established

Ingredients of The Product	CAS No.	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	Carcinogenicity
Zinc Chloride	7646-85-7	1.0	1.0 (fume)	
Ammonium Chloride	12125-02-9	10.0	10.0 (fumes)	
Hydrochloric Acid	7647-01-0	Unknown	5.0	
Methyl Orange	547-58-0	Unknown	Unknown	

Dot Information:	NFPA Ranking:	Flammability	0
Corrosive Liquid Solution UN 1840		Health	2
Hazard Class 8		Reactivity	0
Corrosive Label		Other	0

SECTION III

PHYSICAL DATA

Boiling Point	Unknown
Vapor Pressure (mmHg)	0.75 Psig
Solubility in Water:	Yes PH 2.0-3.0
Appearance and Odor	Red Liquid No Odor
Specific Gravity (H2O=1)	Unknown
Melting Point	Unknown

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SECTION IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used) 221°F TOC

Flammable Limits -0-

Extinguishing Media: NA Fire fighting should be aimed at surrounding materials.

Special Fire Fighting Procedures: Firefighters should wear eye protection and self contained breathing units in enclosed space.

Unusual Fire and Explosion Hazards: When heated the materials may release zinc chloride and zinc oxide fumes. The flux may also release hydrogen chloride gas and water vapor.

SECTION V

HEALTH HAZARD DATA

ROUTES OF ENTRY

Inhalation: Irritates respiratory system - move to fresh air

Skin: Flush with water

Ingestion: Give plenty of water or milk. Do not induce vomiting

Carcinogenicity: No

NTP: No

Osha Regulated: No

SECTION VI

REACTIVITY DATA

Stability: Stable

Stable material in closed containers at room temperatures under normal storage and handling conditions.

Incompatibility: Incompatible with cyanides

Hazardous Decomposition or By Products: Carbon Monoxide and/or dioxide

Hazardous Polymerization: Will not occur.

SECTION VII

SPILL OR LEAK PROCEDURES

Neutralize with sodium carbonate or tri-sodium phosphate. Contain spill, dispose according to Fed, State or Local regulations.

Waste Disposal Method: Prevent waste from contamination surrounding environment. Discard any product residue, disposable container or liner in an environmentally acceptable manner, in full compliance with Federal, State and Local Regulations.

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SECTION VIII SPECIAL PROTECTION INFORMATION

Ventilation: Keep the fumes and gases below TLV'S in workers area with proper ventilation.

To determine the quantity of fumes and gas in welders working area take an air sample under the welders hood.

Protective Gloves: Gloves should be worn in case of splashing

Eye Protection: Protective face shield or safety glasses

Other Protective

clothing or equipment: Aprons, Arm protectors, hats, respirable fume repirator or air supplied respirator in using in confined areas.

SECTION IX SPECIAL PRECAUTIONS

Train welders to keep head out of the fumes by wearing protective respirators in confined areas.