4310201 431023

				 IDENTIFICATION		
		 	 	 HMIS	CODES	
PRODITOT NAM	Æ			Health		2

PRODUCT NAME
C-Flux
Flammability
Reactivity
PRODUCT CODES
PPI
B

74025, 74026

CHEMICAL FAMILY

Organic/Inorganic

USE

Soldering Flux

MANUFACTURER'S NAME

The RectorSeal Corporation 2601 Spenwick Drive

Houston, Texas 77055 USA

VALIDATION DATE

March 15, 2006

REVISION DATE
March 15, 2006

EMERGENCY TELEPHONE NO.

Chemtrec 24 Hours (800) 424-9300

TECHNICAL SERVICE TELEPHONE NO.

(800) 231-3345

PECCTOIL	4 -	- COMPOSITION	I) THE OWNER TON	OTA	THREDIENIS

% by WT	CAS No.	INGREDIENT		UNITS
<20	7646-85-7	Zinc Chlori	.de	
		ACGIH	TLV 1	l mg/m3
		OSHA	PEL 1	l mg/m3
<1	12125-02-9	Ammonium Ch	loride	
		ACGIH	TLV 10	D mg/m3
		OSHA	PEL 10	0 mg/m3
<10	1314-13-2	Zinc Oxide		
		ACGIH		5 mg/m3
		OSHA	PEL 5	5 mg/m3
-	7440-31-5	Tin		
		ACGIH		5 mg/m3
		OSHA	PEL 5	5 mg/m3
<1	7440-36-0	Antimony		
		ACGIH	TLV 0.5	5 mg/m3
		OSHA	PEL 0.5	5 mg/m3
		========	========	

Section 3 -- HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS

Irritation to respiratory system from fumes evolved during soldering. Eye contact may cause intense irritation and injury.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Irritation to respiratory system from fumes evolved during soldering.

EYE CONTACT

Contact may cause intense irritation and injury.

SKIN CONTACT

May cause skin irritation.

INGESTION

Nausea, vomiting, irritation to digestive system.

SUMMARY OF CHRONIC HAZARDS

Short term effects to liver and kidneys can occur. Chemical irritation from continued skin contact can occur. Continuous industrial use in small unventilated areas may result in sufficient inhalation of solder and flux fumes to cause lung damage and irritation of respiratory tract.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air

immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt

action is essential.

If on SKIN: Immediately wash with soap and water. Remove and wash

any contaminated clothing.

If in EYES: Flush eyes with large amounts of water for 15 minutes.

Get medical attention if irritation persists.

If SWALLOWED: If swallowed, call a physician immediately. Only induce

vomiting at the instruction of a physician. Never give

anything by mouth to an unconscious person.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT LEL UEL

>230 F (110 C) SETA CC N/D N/D

EXTINGUSING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained full face piece breathing apparatus and other protective clothing. Hazardous decomposition products possible (see Section 10). May release ZnO and HCl fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat may build up pressure and rupture closed containers.

section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and

soil. Wear protective clothing during clean up.

Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Store flux at ambient conditions. Wash thoroughly

after handling to remove all residue. OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers. Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION -----RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during soldering operations until fumes have dissipated. VENTILATION - LOCAL EXHAUST: Acceptable SPECIAL: N/A MECHANICAL (GENERAL): Acceptable OTHER: N/A PROTECTIVE GLOVES: Wear rubber gloves. EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent) OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended. WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse. Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES BOILING POINT: N/DSPECIFIC GRAVITY (H20 = 1): 1.59 N/D VAPOR PRESSURE (mm Hq): MELTING POINT: N/D VAPOR DENSITY (AIR = 1): N/A EVAPORATION RATE (ETHYL ACETATE = 1): APPEARANCE/ODOR: Gray Paste / No Odor SOLUBILITY IN WATER: Insoluble VOLATILE ORGANIC COMPOUNDS (VOC) Content (Theoretical Percentage By Weight): 0% or (0 g/L) _____ Section 10 -- STABILITY AND REACTIVITY ______ STABILITY: Stable CONDITIONS TO AVOID: None INCOMPATIBILITY (MATERIALS TO AVOID): None known HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of zinc, chlorine, and HCL may be evolved during soldering. HAZARDOUS POLYMERIZATION: Will not occur. Section 11 -- TOXICOLOGY INFORMATION CHRONIC HEALTH HAZARDS No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. ______ TOXICOLOGY DATA Ingredient Name ______

Zinc Chloride

Oral-Rat LD50:350 mg/kg Inhalation-Rat LCLo:1960 mg/m3/10M Ammonium Chloride Oral-Rat LD50:1650 mg/kg Inhalation-Rat LC50:N/D Zinc Oxide Oral-Rat TDLo:6846 mg/kg Inhalation-Mouse LC50:2500 mg/m3 Tin Oral-Rat TD50:N/D Inhalation-Rat LC50:N/D Antimony Oral-Rat LD50:7 g/kg Inhalation-Rat TCLo:50 mg/m3/7H/52W-I Section 12 -- Ecological Information _____ ECOLOGICAL DATA Ingredient Name Zinc Chloride Food Chain Concentration Potential None WATERFOWL TOXICITY N/ANone BOD AQUATIC TOXICITY: 7.2 ppm/96 hr/medium bluegill/TLm Ammonium Chloride Food Chain Concentration Potential None WATERFOWL TOXICITY N/AN/A AQUATIC TOXICITY: 6 ppm/96 hr/sunfish TLm Zinc Oxide Food Chain Concentration Potential N/D WATERFOWL TOXICITY N/DBOD N/D AOUATIC TOXICITY: N/DTin Food Chain Concentration Potential N/DWATERFOWL TOXICITY N/DBOD N/D AQUATIC TOXICITY: N/DAntimony Food Chain Concentration Potential N/DWATERFOWL TOXICITY N/DBOD N/D AQUATIC TOXICITY: N/D_______ Section 13 -- DISPOSAL CONSIDERATIONS ______ Waste Classification: Non-regulated solid waste Approved landfill Disposal Method: Waste from this product is not considered hazardous as defined under the

Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in

accordance with Federal, State, and Local regulation regarding pollution. Section 14 -- TRANSPORTATION INFORMATION DOT: Non-Regulated Non-Regulated OCEAN (IMDG): AIR (IATA): Non-Regulated WHMIS (CANADA): Non-Regulated ______ Section 15 -- REGULATORY INFORMATION REGULATORY DATA Ingredient Name ______ Zinc Chloride SARA 313 Yes TSCA Inventory Yes CERCLA RQ 1000 lb. RCRA Code N/AAmmonium Chloride SARA 313 No TSCA Inventory Yes CERCLA RO N/A RCRA Code N/A Zinc Oxide SARA 313 Yes TSCA Inventory Yes CERCLA RO N/A RCRA Code N/A Tin SARA 313 No TSCA Inventory Yes CERCLA RO N/A RCRA Code N/A Antimony SARA 313 Yes TSCA Inventory Yes CERCLA RQ 5,000 lb. RCRA Code N/A

Section 16 -- OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001