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Section	1	 PRODUCT	AND	COMPANY	IDENTIFICATION

	HMIS CODES	
PRODUCT NAME	Health	1
Nokorode Hot Weather Paste Flux	Flammability	1
	Reactivity	0
PRODUCT CODES	PPI	В

14800, 14820, 14830

CHEMICAL FAMILY:

Organic/Inorganic

USE

Soldering Flux

MANUFACTURER'S NAME EMERGENCY TELEPHONE NO.

The RectorSeal Corporation Chemtrec 24 Hours 2601 Spenwick Drive (800) 424-9300

Houston, Texas 77055 USA

DATE OF PREPARATION TECHNICAL SERVICE TELEPHONE NO.

July 26, 2002 (800) 231-3345

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	Section 2	COMPOSITION/I	NFORMATION O	N INGREDIENTS
% by WT	CAS No.	INGREDIENT	UN	ITS
10-25	7646-85-7	Zinc Chloride		

% by WT	CAS No.	INGREDIENT	UNITS
10-25	7646-85-7	Zinc Chloride	
		ACGIH TLV	1 mg/m3
		OSHA PEL	1 mg/m3
10-25	12125-02-9	Ammonium Chloride	
		ACGIH TLV	10 mg/m3
		OSHA PEL	10 mg/m3
70-80	8009-03-8	Pertrolatum	
		ACGIH TLV	N/D
		OSHA PEL	N/D

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.

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#### Section 4 -- FIRST AID MEASURES

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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.

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#### Section 5 -- FIRE FIGHTING MEASURES

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FLASH POINT LEL UEL >400 F (204 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.

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### Section 6 -- ACCIDENTAL RELEASE MEASURES

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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.

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## Section 7 -- HANDLING AND STORAGE

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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.

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# Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

DESCRIPATORY DESCRIPTION (SDECIFY TYPE). In confined moonly worthlated areas

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

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BOILING POINT: N/A SPECIFIC GRAVITY (H20 = 1): 1.06

VAPOR PRESSURE (mm Hg): < 0.01 @ 68 F (20 C)
MELTING POINT: 120-150 F (52-66 C)

VAPOR DENSITY (AIR = 1): N/A EVAPORATION RATE (ETHYL ACETATE = 1): N/A

APPEARANCE/ODOR: Tan / Petroleum Odor

SOLUBILITY IN WATER: Insoluble

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Section 10 -- STABILITY AND REACTIVITY

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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.

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Section 11 -- TOXICOLOGY INFORMATION

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CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA Ingredient Name

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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

Petrolatum

Oral-Rat LD50:N/D

Inhalation-Rat LC50:N/D

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Section 12 -- Ecological Information

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ECOLOGICAL DATA Ingredient Name

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Zinc Chloride

Food Chain Concentration Potential None WATERFOWL TOXICITY N/A None

AQUATIC TOXICITY: 7.2 ppm/96 hr/medium bluegill/TLm

Ammonium Chloride

Food Chain Concentration Potential None WATERFOWL TOXICITY N/A BOD N/A AQUATIC TOXICITY: 6 ppm/96 hr/sunfish TLm

Petrolatum

Food Chain Concentration Potential N/D WATERFOWL TOXICITY N/D BOD N/D AQUATIC TOXICITY: N/D

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#### Section 13 -- DISPOSAL CONSIDERATIONS

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Waste Classification: Non-regulated solid waste

Disposal Method: Approved landfill

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.

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Section 14 -- TRANSPORTATION INFORMATION

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DOT: Non-Regulated
OCEAN (IMDG): Non-Regulated
AIR (IATA): Non-Regulated
WHMIS (CANADA): Non-Regulated

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Section 15 -- REGULATORY INFORMATION

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REGULATORY DATA Ingredient Name

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Zinc Chloride

SARA 313 Yes
TSCA Inventory Yes
CERCLA RQ 1000 lb.
RCRA Code N/A

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Ammonium Chloride

SARA 313 No
TSCA Inventory Yes
CERCLA RQ N/A
RCRA Code N/A

Petrolatum

SARA 313 No
TSCA Inventory Yes
CERCLA RQ N/A
RCRA Code N/A

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Section 16 -- OTHER INFORMATION

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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