

Chemical Name: Nokorode Regular Paste Flux

Manufacturer: Rectorseal

Container Size: 8 oz.

Location: VLA

<u>Disposal:</u> Place empty container in trash. Give partial or full container to safety officer.

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         Section 1 -- PRODUCT AND COMPANY IDENTIFICATION
                                                       HMIS CODES
PRODUCT NAME
                                                    Health
                                                    Flammability 1
Reactivity 0
  Nokorode Regular Paste Flux
PRODUCT CODES
  14000, 14010, 14020, 14030
CHEMICAL FAMILY:
  Organic/Inorganic
  Soldering Flux
MANUFACTURER'S NAME
                                         EMERGENCY TELEPHONE NO.
                                          Chemtrec 24 Hours
  The RectorSeal Corporation
  2601 Spenwick Drive
                                           (800) 424-9300
Houston, Texas 77055 USA VALIDATION DATE
                                          TECHNICAL SERVICE TELEPHONE NO.
  February 16, 2006
                                           (800) 231-3345
REVISION DATE
  February 16, 2006
 Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS
% by WT CAS No. INGREDIENT 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 1 lig/lis
OSHA PEL 10 mg/m3
 70-90 8009-03-8 Petrolatum
                          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.
______
         Section 4 -- FIRST AID MEASURES
______
                 If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as
  If INHALED:
                 needed. Obtain emergency medical attention. Prompt action is essential.
  If on SKIN:
                 Immediately wash with soap and water. Remove and wash
                 any contaminated clothing.
                 Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists. If swallowed, call a physician immediately. Only induce
  If in EYES:
  Tf SWALLOWED:
                 vomiting at the instruction of a physician. Never give
                 anything by mouth to an unconscious person.
______
         Section 5 -- FIRE FIGHTING MEASURES
______
                         LEL UEL N/D N/D
FLASH POINT
  >400 F (204 C) SETA CC
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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/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
                                  Tan / Petroleum Odor
APPEARANCE/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
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Petrolatum

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Oral-Rat LD50:N/D Inhalation-Rat LC50:N/D

Section 12 -- Ecological Information

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ECOLOGICAL DATA
Ingredient Name
  Zinc Chloride
               Food Chain Concentration Potential
                                                None
               WATERFOWL TOXICITY
                                                N/A
               BOD
                                                None
               AQUATIC TOXICITY: 7.2 ppm/96 hr/medium blueqill/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
               WATERFOWL TOXICITY
                                                N/D
               BOD
                                                N/D
              AQUATIC TOXICITY:
                                                N/D
______
        Section 13 -- DISPOSAL CONSIDERATIONS
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
DOT:
              Non-Regulated
OCEAN (IMDG): Non-Regulated
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.
N/A
               RCRA Code
  Ammonium Chloride
               SARA 313
TSCA Inventory
                             No
                              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
  This document is prepared pursuant to the OSHA Hazard Communication
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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