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VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP -- AMMONIUM HYDROXIDE

6810-00-826-6121

Product ID: AMMONIUM HYDROXIDE

MSDS Date:05/18/1992

FSC:6810

NIIN:00-826-6121

MSDS Number: BHCGJ

=== Responsible Party ===

Company Name: VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP

Address:2256 JUNCTION AVENUE

Box:SETTLE City:SAN JOSE

State:CA ZIP:95131 Country:US Info Phone Nu

m:408-435-8700 OR 801-424-9300

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name: MSDS COORDINATOR

CAGE:0AN91

=== Contractor Identification ===

Company Name: CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name: VAN WATERS AND ROGERS

Address: 2256 JUNCTION AVE

City:SAN JOSE

State:CA ZIP:95131 Country:US

Phone: 408-435-8700/800-424-9300 (CHEMTREC)

CAGE:0AN91

Company Name: VAN WATERS AND ROG

ERS INC., UNIVAR CORP.

Address:1600 NORTON BLDG. 801 2ND AVENUE

Box:City:SEATTLE

State:WA

ZIP:98104-1564 Country:US

Phone: 206-447-5911/800-424-9300 (CHEMTREC)

CAGE:87664

======= Composition/Information on Ingredients ========

Ingred Name: AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000 Fraction by Wt: 28-30% OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9293

EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: 70-72%

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====== Hazards Identification ===========

LD50 LC50 Mixture:LD50 (RAT) ORAL = 350 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:RESPIRATORY TRACT IRRITATION.

LARYNGITIS, TRACHEITIS, PULMONARY EDEMA, PNEUMONITIS, BURNS TO DIGESTIVE TRACT, STOMACH PERFERATION/PERITONITIS, SKIN BURNS, EYE IRRITATION, GLAUCOMA, CORNEAL SCARS, IRIS ATROPHY, CATARACTS.

Explanation of Car

cinogenicity:PRODUCT CONTAINS NO INGREDIENTS

CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure: COUGHING, SORE THROAT, LABORED BREATHING, CHEST PAINS, CORROSION TO ESOPHAGUS/STOMACH, MOUTH PAIN, ABDOMEN PAIN, VOMITING, COLLAPSE, SKIN BURNS WITH VESICATION, SEVERE EYE PAIN/INJURY.

Medical Cond Aggravated by Exposure:PRESONS WITH PRE-EXISTING EYE DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIA

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First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: GIVE SEVERAL GLASSES OF WATER TO DRINK. VOMITING MAY O CCUR SPONTANEOUSLY, BUT DO NOT INDUCE. GET IMMEDIATE MEDICAL ATTENTION. SKINN: IMMEDIATELY FLUSH WITH WATER. CALL A PHYSICIAN IMMEDIATELY. EYES: WASH WITH PLENTY OF WATER FOR 15 MINUTES. CALL MD.
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Flash Point:NONFLAMMABLE Lower Limits:16 % Upper Limits:27 %
Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE.
Fire Fighting Procedures:USE WATER SPRAY TO BLANKET FIRE, COOL FIRE EXPOSED CONTAINERS AND TO FLUSH NON-IGNITED SPILLS OR VAPORS AWAY FROM FIRE. WEAR FULL PROTECTIVE GEAR AND SCBA. Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.
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Spill Release Procedures: VENTILATE AND EVACUATE AREA. CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION FROM VAPORS. NEUTRALIZE SPILL. DO NOT FLUSH DIRECTLY TO SEWERS. ABSORB WITH DRY INERT MATERIAL AN D COLLECT FOR DISPOSAL. Neutralizing Agent: DILUTE HYDROCHLORIC ACID OR DILUTE SULFURIC ACID.
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Handling and Storage Precautions:KEEP IN A TIGHT LY CLOSED CONTAINER, STORED IN A COOL, DRY, VENTILATED AREA. PROTECT AGAINST PHYSICAL DAMAGE. SEPARATE FROM INCOMPATIBLES. Other Precautions:PROTECT FROM DIRECT SUNLIGHT.
====== Exposure Controls/Personal Protection ========
Pospiratory Protection: IE TLV IS EXCEEDED A DUST/MIST DESDIDATOR WITH

Respiratory Protection:IF TLV IS EXCEEDED, A DUST/MIST RESPIRATOR WITH CHEMICAL GOGGLES MAY BE WORN UP TO 10 TIMES THE TLV. CONSULT RESPIRATOR SUPPLIER FOR LIMITATIONS. ALTERNATIVELY, A SUPPLIED AIR FULL FACE PIECE RESPIRAT OR OR AIRLINED

HOOD MAY BE WORN. Ventilation: SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED. Protective Gloves: IMPERVIOUS Eye Protection: CHEMICAL SAFETY GOGGLES/FULL FACE SHIELD Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING BOOTS, LAB COAT, APRON OR COVERALLS TO PREVENT SKIN CONTACT. Work Hygienic Practices: WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING. Supplemental Safety and Health CONTACT LWNSES SHOULD NOT BE WORN WHEN WORKING WIT H THIS MATERIAL. MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA. ======== Physical/Chemical Properties ============ HCC:B1 Boiling Pt:B.P. Text:97.0F,36.1C Melt/Freeze Pt:M.P/F.P Text:-98F,-72C Vapor Pres:115 Vapor Density:1.2 Spec Gravity:0.9 Evaporation Rate & Dr. Reference: NOT GIVEN Solubility in Water:INFINITE Appearance and Odor: CLEAR, COLORLESS SOLUTION, AMMONIA ODOR ======== Stability and Reactivity Data =========== Stabi lity Indicator/Materials to Avoid:YES ACIDS, ACROLEIN, DIMETHYL SULFATE, HALOGENS, SILVER NITRATE, PROPYLENE

OXIDE, NITROMETHANE, SILVER OXIDES, OLEUM

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: EMITS TOXIC FUMES OF AMMONIA AND NITRIC OXIDES WHEN HEATED TO DECOMPOSITION.

======= Disposal Considerations =============================

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRO

DUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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