

VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP -- AMMONIUM HYDROXIDE --  
6810-00-826-6121

===== Product Identification =====

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

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===== 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



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 LENSES SHOULD NOT BE WORN WHEN WORKING WITH 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 & Reference:NOT GIVEN

Solubility in Water:INFINITE

Appearance and Odor:CLEAR, COLORLESS SOLUTION, AMMONIA ODOR

===== Stability and Reactivity Data =====

Stability

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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