

LA ROCHE INDUSTRIES INC -- AMMONIUM HTDROXIDE;AQUA AMMONIA -- 6810-00-826-6121  
===== Product Identification =====

Product ID:AMMONIUM HTDROXIDE;AQUA AMMONIA

MSDS Date:05/18/1989

FSC:6810

NIIN:00-826-6121

MSDS Number: BHCNS

=== Responsible Party ===

Company Name:LA ROCHE INDUSTRIES INC

Address:1100 JOHNSON FERRY ROAD NE

City:ATLANTA

State:GA

ZIP:30342

Country:US

Info Phone Num:404-491-7987 OR 714-

864-2310 (DIST)

Emergency Phone Num:404-491-7987

CAGE:JO381

=== 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:LA ROCHE INDUSTRIES INC

Box:5500

City:GRAMERCY

State:LA

ZIP:70052

Country:US

Phone:800-248-6336

CAGE:JO381

Company Name:LAROCHE INDUSTRIES INC

Address:1100 JOHNSON FERRY RD NE

Box:1031

City:ATLANTA

State:GA

ZIP:30342

Country:US

Phone:

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Composition/Information on Ingredients  
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Ingred Name:AMMONIA (SARA III)  
CAS:7664-41-7  
RTECS #:BO0875000  
Fraction by Wt: 19-30%  
OSHA PEL:50 PPM  
ACGIH TLV:25 PPM/35 STEL; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:WATER (AMMONIA AND WATER FROM AMMONIUM HY DROXIDE OR AQUA AMMONIA 100%).  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 81-70%

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Hazards Identification  
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LD50 L  
C50 Mixture:ORAL LD50:30MG/KG,RATS;LC50:4230PPM,MI  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:CORROSIVE TO ALL BODY TISSUE;IRRITATION OR BURN TO EYES,SKIN,MUCOUS MEMBRANES,RESPIRATORY OR G.I.TRACT;SUFFOCATING,NAUSEA,VOMITING.CHRONIC:IRRITATION,RESPIRATORY PROBLEM OR LUNG DAMAGE.  
Explanation of Carcinogenicity:NO DATA PER MSDS.  
Effects of Overexposure:SEE HEALTH HAZARDS DATA.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE WORSEN.

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First Aid Measures  
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First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR ABOUT 15-20 MINUTES;SEEK MEDICAL HELP IMMEDIATELY. SKIN:WASH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES;USE HAND CREAM. INHALATION:REMOVE TO FRESH AIR.CALL A PHYSICIAN;INGESTION:DO NOT INDUCE VOMITING;CALL A PHYSICIAN IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point:NONE

Lower Limits:15.0

Upper Limits:25.0

Extinguishing Media:WATER-FOG OR SPRAY.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED AREA.

Unusual Fire/Explosion Hazard:MAY EXPLODE IN CONTACT WITH SOURCES. OF HEAT;AVOID EXTREME HEAT.

===== Accidental Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTION/REPORT LOCAL AUTHORITIES;USE SCBA,VENTTILATE THE/AREA,RECOVERFLUIDIF POSSIBLE,OR;C

ONSULT AN EXPERT FOR FINAL DISPOSAL.

Neutralizing Agent:DIL HCL

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED AREA;KEEP AWAY FROM HEAT OPEN FLAMES,ACIDS,METALS LIKE ZINC,COPPER,BRASS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR AMMONIA IF ABOVE PEL/TLV.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Prot

ective Gloves:RUBBER/PVC

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING;EYE-WASH;SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES,SKIN AND INHALATION OF AMMONIA VAPORS.DO NOT USE CONTACT LENS THOROUGHLY AFTER USE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B1

Boiling Pt:=28.3C, 83.F

Melt/Freeze Pt:=-72.2C, -98.F

M.P/F.P Text:(30%.S

Vapor Pres:720

Vapor Density:0.60

Spe

c Gravity:0.89

pH:11.6

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID WITH A PUNGENT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, CL:2,BR:2,HG,AG,CU ZINC.

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:HYDROGEN WITH METAL

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

Waste Disposal Methods:CONSULT LOCA

L AUTHORITIES;DISPOSAL OR CLEAN OFF

MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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