

VAN WATERS AND ROGERS -- AMMONIUM CHLORIDE -- 6810-00-281-2033

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

Product ID:AMMONIUM CHLORIDE

MSDS Date:11/20/1992

FSC:6810

NIIN:00-281-2033

MSDS Number: BHWSP

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS

Address:2256 JUNCTION AVE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Info Phone Num:206-447-5911 OR 714-864-2310

Emergency Phone Num:408-435-8700

OR 714-864-2310

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

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

Ingred Name:AMMONIUM CHLORIDE (SARA III)

CAS:1212

5-02-9
RTECS #:BP4550000
Fraction by Wt: >99%
OSHA PEL:10 MG/M3/20 STEL
ACGIH TLV:10 MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL RAT LD50 IS 1.65 GM/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AMMONIUM CHLORIDE IS IRRITATING TO
BODY TISSUES. DUSTS WILL IRRITATE THE UPPER RESPIRATORY
TRACT
CAUSING COUGHING.
Explanation of Carcinogenicity:AMMONIUM CHLORIDE IS NOT LISTED AS A
CARCINOGEN BY IARC, NTP, OR OSHA.
Effects of Overexposure:EYE:IRRITATION. SKIN:IRRITATION,POSSIBLE
DERMATITIS. INHALED;RESPIRATORY IRRITATION,COUGHING,CHOKING,LARGE
QUANTITIES MAY BE TOXIC. INGESTED:IRRITATION OF MOUTH & THROAT.
SUFFICIENT QUANTITY WILL PRODUCE NAUSEA,VOMITING,ACIDOSIS.
Medical Cond Aggravated by Exposure:NONE GIVEN BY MANUFACTURER.

===== First
Aid Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF
NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES
OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY
MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A
DOCTOR.

===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE
Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH
MEDIA APPROPRIATE FOR SOURCE OF FIRE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedure

res:SWEEP,VACUUM OR OTHERWISE COLLECT, BEING
CAREFUL NOT TO RAISE DUST.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY AREA,PROTECTED
FROM MOISTURE.
Other Precautions:NONE

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE
NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR
DUST/MIST
IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR
REGULATIONS PERTAINING TO RESPIRATOR USE.
Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. SUPPLEMENT WITH
LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.
Protective Gloves:SAFETY GLASSES OR SPLASH GOGGLES
Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES
Other Protective Equipment:SAFETY SHOWER AND EYE WASH STATION, WORK
CLOTHING TO PROTECT AGAINST SKIN CONTACT.
Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID
U
NNECESSARY CONTACT.
Supplemental Safety and Health
MFR PRODUCT CODE = T1048.

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

HCC:N1
Boiling Pt:B.P. Text:968F,520C
Melt/Freeze Pt:M.P/F.P Text:653F,345C
Decomp Temp:Decomp Text:644F,340C
Vapor Pres: