

ALDRICH CHEMICAL CO -- AMMONIUM CHLORIDE 99.998%, 25413-4 -- 6810-00-236-5675

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

Product ID:AMMONIUM CHLORIDE 99.998%, 25413-4

MSDS Date:05/15/1990

FSC:6810

NIIN:00-236-5675

MSDS Number: BLHGK

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO

Box:355

City:MILWAUKEE

State:WI

ZIP:53201

Info Phone Num:414-273-3850

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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

Ingred Name:AMMONIUM CHLORIDE (SARA III)

CAS:12125-02-9

RTECS #:BP4550000

Fraction by Wt: 99.998%

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:LD50: ORAL RAT 1650 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:ACUTE: HARMFUL IF SWALLOWED. MAY BE HARMFUL IF INHALED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SEVERE EYE IRRITATION. CAUSES SKIN IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UP PER RESPIRATORY TRACT. TO THE BEST OF MFR'S KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN: IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATI ON. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGEST: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

Flash Point:NONCOMBUSTIBLE

Extinguishing Media:NON COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

Other Precautions:IRRITANT. HARMFUL SOLID. KEEP TIGHTLY CLOSED.
HYGROSCOPIC. STORE IN A COOL DRY PLACE. INCOMPATIBLE W/LEAD &
SILVER SALTS. FORMS EXPLOSIVE MIXTURES WITH POTASSIUM CHLORATE.
REACTS VIGOROUSLY W/BROMINE TRIFLUORIDE AND BROMINE PENTAFLUORIDE.

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

Respiratory Protection:USE APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:MECHANICAL EXHAUST REQUIRED.

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE
BATH.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. WASH
CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WASTE DISP METH: FUMES WHICH CAN BE CONTROLLED BY RATE OF ADDITION.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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

HCC:T6

Vapor Pres:1 @160.4 C

Vapor Density:1.9

Spec Gravity:1.530

Appearance and Odor:WHITE CRYSTALLINE POWDER.

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

STRONG ACIDS, STRONG BASES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS, AMMONIA.

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

Waste Disposal Methods:FOR SMALL QTYS: CAUTIOUSLY ADD TO LRG STIRRED
EXCESS OF H₂O. ADJUST PH TO NEUT, SEPARATE ANY INSOLUBLE
SOLIDS/LIQ & PACKAGE THEM FOR HAZ-WASTE DISP. FLUSH AQUEOUS SOLN
DOWN DRAIN W/PLENTY OF H₂O. HY DROLYSIS & NEUT RXNS MAY GEN HEAT &
(SUPP DATA)

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