

ALDRICH CHEMICAL CO INC -- POTASSIUM CHLORIDE, 99+% ACS REAGENT -- 6810-00-264-6545

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

Product ID:POTASSIUM CHLORIDE, 99+% ACS REAGENT

MSDS Date:01/10/1991

FSC:6810

NIIN:00-264-6545

MSDS Number: BNKKK

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 W ST PAUL AVE

Box:2060

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:(414) 2

73-3850

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:POTASSIUM CHLORIDE

CAS:7447-40-7

RTECS #:TS8050000

Fraction by Wt: >99%

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 2

600 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: INHALATION: HARMFUL/CONVULSION/MUCOUS MEMBRANE & UPPER RESPIRATORY TRACT IRRITATION/COMA/CARDIAC ARRHYTHMIA/DYSPPNEA/LUNG/THORAX/RESPIRATION CHANGE/NAUSEA/VOMITING/CLOTTING FACTOR CHANGE. INGESTION: GASTROINTESTINAL IRRITATION/WEAKNESS/HARMFUL/CIRCULATORY DISORDERS. SKIN: ABSORPTION/HARMFUL/IRRITATION. EYES: IRRITATION.

Explanation

of Carcinogenicity: NONE

Effects of Overexposure: INHALATION: HARMFUL/CONVULSION/EFFECT OF SEIZURE THRESHOLD/CHANGE IN MOTOR ACTIVITY/COMA/CARDIAC ARRHYTHMIA/DYSPPNEA/LUNG/THORAX/RESPIRATION CHANGES/NAUSEA/VOMITING/CLOTTING FACTOR CHANGE. INGESTION: GASTROINTESTINAL IRRITATION/WEAKNESS/HARMFUL/CIRCULATORY DISORDERS. SKIN: ABSORPTION/HARMFUL/IRRITATION. EYES: IRRITATION.

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

First Aid: EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: WASH OUT MOUTH W/WATER PROVIDED PERSON IS CONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media: WATER SPRAY, CO2, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

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

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

Spill Release Procedures: WEAR SCBA & PROTECTIVE EQUIPMENT. SWEEP UP, PLACE IN BAG/HOLD FOR DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP. FOR SMALL AMOUNTS, ADD TO LARGE STIRRED EXCESS OF WATER. ADJUST PH TO NEUTRAL. SEE SUPP.

=====

= Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL DRY PLACE. KEEP TIGHTLY CLOSED. MATERIAL IS HYGROSCOPIC.

Other Precautions:DON'T GET IN EYES, ON SKIN, OR ON CLOTHING. DON'T BREATH DUST.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR

Ventilation:MECHANICAL EXHAUST REQUIRED

Protective Gloves:HEAVY RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equi

ipment:RUBBER BOOTS, SAFETY SHOWER, EYE BATH, & PROTECTIVE CLOTHING

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

Supplemental Safety and Health

SPILL & LEAK (CONT'D): SEPARATE ANY INSOLUBLE SOLIDS OR LIQUIDS & PACKAGE THEN FOR HAZARDOUS WASTE DISPOSAL. THE HYDROLYSIS & NEUTRALIZATION REACTIONS MAY GENERATE HEAT & FUMES WHICH CAN BE CONTROLLED BY THE RATE OF ADDITION.

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

Melt/Freeze Pt:M.P/F.P Text:1418F

Spec Gravity:1.984

Appearance and Odor:WHITE CRYSTALS

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS & ACID

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS

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

Waste Disposal Methods:FLUSH THE AQUEOUS SOLUTION DOWN THE DRAIN W/PLENTY OF WATER IN ACCORDANCE W/FEDERAL, STATE, & LOC

AL

REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to thei

r

particular situation.