View NSN Online: https://aerobasegroup.com/nsn/6810-00-023-9682

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- POTASSIUM FLUORIDE

DIHYDRATE,98 %,22187-2 -- 6810-00-023-9682

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

Product ID:POTASSIUM FLUORIDE DIHYDRATE,98 %,22187-2

MSDS Date:11/01/1998

FSC:6810

NIIN:00-023-9682

MSDS Number: BRKRV === Responsible Party ===

Company Name: ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP

Address:1001 W. ST. PAUL AVE

Box:355

Ci

ty:MILWAUKEE

State:WI ZIP:53201 Country:US

Info Phone Num:414-273-3850/FAX -4979 Emergency Phone Num:414-273-3850 Preparer's Name:NOT PROVIDED

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

Contract Num:SP0450-99-M-C485

CAGE:60928

Company Name: FLUKA CHEMICAL CORP

Address:1001 WEST ST PAUL

Box:City:MILWAUKEE

State:WI ZIP:53233 Country:US

Phone:414-273-3850

CAGE:

63181

Company Name: SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508 City:ST LOUIS

State:MO ZIP:63178 Country:US

Phone:314-771-5765

CAGE:21076

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

Ingred Name: POTASSIUM FLUORIDE DIHYDRATE

CAS:13455-21-5 RTECS #:TT0705000

= Wt:98.

Other REC Limits: NONE RECOMMENDED

OSHA PEL:2.5 MG/M3 (F) ACGIH TLV:2.5 MG/M3 (F)

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 245 MG/

KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS: KIDNEYS, BONES, NERVES,

G.I. TRACT, & TEETH. ACUTE-TOXIC. HARMFUL IF

SWALLOWED/INHALED/ABSORBED THROUGH SKIN. EXTREMELY DESTRUCTIVE TO TISSUES OF THE MUCOUS MEMBRANES AND UPPER RESPIR ATORY TRACT, EYES AND SKIN. INHALATION MAY RESULT IN SPASM, INFLAMMATION AND PULMONARY EDEMA. CHRONIC- EFFECS ON BONES.

Explanation o

f Carcinogenicity:NONE

Effects of Overexposure:BURNING SENSATION, IRRITATION, PAIN, NAUSEA, VOMITING, SHORTNESS OF BREATH, COUGHING, SORE THROAT, REDNESS OF EYES, HEADACHE, DIFFICULT BREATHING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED CNS, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

First Aid: INCASE OF CONTA

CT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAMINATED CLOTHING & SHOES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED SHOES.
======================================
ighting Measures =============
Flash Point:NONE Lower Limits:NOT RELEVANT Upper Limits:NOT RELEVANT
Extinguishing Media:USE DRY CHEMICAL POWDER. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED. WEAR PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDIT IONS.
========= Accidental Release Measures ==========
Spill Release Procedures:WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY GLOVES IF NEEDED. RECOVER IF POSSIBLE. SWEEP OR VACUUM INTO CLOSED CONTAINERS FOR DISPOSAL. AVOID DUST GENERATION.
Neutralizing Agent:NOT RELEVANT
=========== Handling and Storage ============
Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER IN COOL, DRY, VENTILATED PLACE AWA Y FROM STRONG ACIDS. KEEP AWAY FROM FOOD AND DRINK.
Other Precautions:CORROSIVE. TOXIC. HYGROSCOPIC. USE ONLY IN CHEMICAL HOOD. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HA NDLING. EMPTY CONTAINERS RETAIN RESIDUE.

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

Respiratory Protection:WEAR NIOSH-APPROVED AIR-PURIFYING RESPIRATOR WITH DUST AND MIST FILTERS/SUP

PLIED AIR-RESPIRATOR. Ventilation:USE LOCAL EXHAUST TO CONTROL AIRBORNE DUSTS. Protective Gloves:NATURAL RUBBER, NEOPRENE, NITRILE Eye Protection:CHEMICAL SAFETY GOGGLES &/OR FACESHIELD 8 IN MINIMUM. Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER AND IMPERVIOUS CLOTHING Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING. Supplemental Safety and Health DO NOT EAT, DRINK O R SMOKE IN WORK AREAS. AVOID PROLONGED OR REPEATED EXPOSURE. CORROSIVE, TOXIC, KEEP TIGHTLY CLOSED. HYCROSCOPIC. STORE IN COOL DRY PLACE.
========= Physical/Chemical Properties ==========
HCC:T4 NRC/State Lic Num:NOT RELEVANT Melt/Freeze Pt:=41.1C, 106.F M.P/F.P Text:MELTING PT Spec Gravity:2.454 Viscosity:NOT RELEVANT Evaporation Rate & DESCRIPTION RELEVANT Solubility in Water:SOLUBLE Appearance and Odor:MOIST WHITE CRYSTALS
======== Stability and Reactivity Data ===========
Stability Indicator/Materials to Avoid:YES STRONG ACIDS Stability Condition to Avoid:MOISTURE (HYGROSCOPIC) Hazardous Decomposition Products:HYDROGEN FLUORIDE
========= Ecological Information ============
Ecological:DATA NOT YET AVAILABLE.
======== Disposal Considerations ===========
Ecological:DATA NOT YET AVAILABLE.

Waste Disposal Methods:CAUTIOUSLY DISSOLVE IN WATER (ADD A LITTLE HYDROCHLORIC ACID IF NOT DISSOLVING). NEUTRALIZE WITH SODIU

CARBONATE. ADD CALCIUM CHLORIDE AND MIX TO PRECIPITATE FLUORIDE. SEPARATE INSOLUBLES AND BURY IN AN APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL 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 it

s use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.