

FISHER SCIENTIFIC, CHEMICAL DIV. -- POTASSIUM FLUORIDE DIHYDRATE -- 6810-00-023-9682

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Product Identification
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Product ID:POTASSIUM FLUORIDE DIHYDRATE

MSDS Date:10/14/1986

FSC:6810

NIIN:00-023-9682

MSDS Number: BHKXH

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

Box:375

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-71

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Emergency Phone Num:201-796-7100 OR 201-796-7523

Preparer's Name:GASTON L.PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM FLUORIDE DIHYDRATE

CAS:13455-21-5

RTECS #:TT0705000

Fraction by Wt: 100.0%

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3

(F)

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 245 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:IRRITATION OF
EYES,SKIN,RESPIRATORY OR G,I.TRACT. BURNS OF EYES AND SKIN. NERVOUS
SYSTEM IRRITABILITY. DEATH. CHRONIC:DERMATITIS,CONJUNCTIVITIS AND
FLUOROSIS.
Explanation of Carcinogenicity:DATA PER MGF MSDS.
Effects
of Overexposure:CONVULSIONS, SALIVATION, NAUSEA, DIFFICULTY IN
SPEECH, VOMITING, BURNS, SEVERE ABDOMINAL PAIN, AND DIARRHEA.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN CONDITIONS MAY BE
AGGRAVATED.

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

First Aid:EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT
15-20 MINUTES. REMOVE COTAMINATED CLOTHING. SEEK MEDICAL ATTENTION
IMMEDIATELY. INHALATION:REMOVE TO FRESH AIR. SEE A DOCTOR.
INGEST
ION:SEEK ME DICAL ATTENTION IMMEDIATELY. GIVE SEVERAL GLASSES
OF MILK, IF CONSCIOUS.

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

Flash Point:NONE
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER FOG,
OR HALON.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:CORROSIVE VAPO
RS OF FLUORINE PRODUCED.

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

Spill Release Procedures:ISOLATE AREA. USE PROPER PERSONAL PROTECTION.
ABSORB WITH SAND OR SIMILAR INERT MATERIAL. COLLECT FOR PROPER
DISPOSAL IN AN APPROVED CONTAINER.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED
AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.
Other Precauti

ons:WASH THOROUGHLY AFTER EACH USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST
IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:PVC, NEOPRENE

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING TO PREVENT PROLONGED OR
REPEATED CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:AV

OID CONTACT WITH EYES AND SKIN.DO NOT BREATHE
VAPORS/MIST/DUST.WASH THOROUGHLY AFTER EACH USE.DO NOT
EAT,DRINK,SMOKE.

Supplemental Safety and Health

ANTIDOTE: CALCIUM GLUCONATE, 10 ML OF 10% SOLUTION INTRAVENOUSLY
SLOWLY; REPEAT UNTIL SYMPTOMS DISAPPEAR. IF SERUM MAGNESIUM
REDUCED; GIVE MILK OF MAGNESIA, 10 ML/HR. ANIDOTE TO BE
ADMINISTERED BY QUA LIFIED MEDICAL PERSONNEL ONLY!

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

HCC:T4

NRC/State Lic Num:?

B

Boiling Pt:B.P. Text:313F,156C

Melt/Freeze Pt:M.P/F.P Text:106F,41C

Spec Gravity:2.5

Solubility in Water:APPRECIABLE

Appearance and Odor:MONOCLINIC,DELIQUESCENT CRYSTALS

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

Stability Indicator/Materials to Avoid:YES

ACIDS, WATER.

Stability Condition to Avoid:HIGH TEMPERATURES(UNCHANGED AT 156 C.)

Hazardous Decomposition Products:OXIDES OF FLUORINE AND POTASSIUM.
CORROSIVE HYDROGEN FLUORIDE.

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===== Disposal Cons

iderations =====

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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