

FISHER SCIENTIFIC CO CHEMICAL DIV. -- POTASSIUM OXALATE, MONHYDRATE --
6810-00-241-4752

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

Product ID:POTASSIUM OXALATE, MONHYDRATE

MSDS Date:05/30/1994

FSC:6810

NIIN:00-241-4752

MSDS Number: BPHYP

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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

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

Ingred Name:POTASSIUM OXALATE, MO

NOHYDRATE

CAS:6487-48-5

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:**MODERATELY TOXIC** EYES:MAY CAUSE SEVERE IRRITATION AND BURNS.SKIN:MAY CAUSE IRRITATION.MAY BE DERMALLY ABSORBED IN HARMFUL AMOUNTS.INGEST:OXALATES MIX WITH SERUM TO FORM INSOLUBLE CA OXALATE.I

NHAL: MAY CAUSE SEVERE RESPIRATORY IRRITATION.POSSIBLE ROUTE OF SYSTEMIC POISONING.CHRONIC:RENAL BLOCKAGE FROM CA OXALATE.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:SYSTEMIC(INGEST):VIOLENT MUSCLE STIMULATION,LEADING TO CONVULSIONS AND COLLAPSE.EYES:CONJUNCTIVITIS.SKIN:DERMATITIS.OXALATE SOLNS MAY LOCALIZED PAIN,BLUIISH COLOR TO FINGERS AND NAILS,ULCERS AND GANGRE

NE.INHAL:COUGHING,SORE THRAOT,DIFFICULTBREATHING.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING KIDNEY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP OR MILD DETERGENT AND WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH NORMAL SALINE OR WATER FOR 15 MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR .GIVE OXYGEN OR ARTIFICIAL RESPIRA

TION IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.MAINTAIN RESPIRATION.SEE SUPPLIMENTAL.

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

Flash Point:NONE

Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.FIGHT FIRE FROM UPWIND.

Unusual Fire/Explosion Hazard:THE FINELY DISPURSED DUST FROM THIS PRODUCT IS A FIRE OR EXPLOSION HAZARD IN THE P

RESENCE OF SOURCES OF
IGNITION.

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

Spill Release Procedures:DO NOT TOUCH SPILLED MATERIAL.SOAK UP WITH
NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL
IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE
SLIPPERINESS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VEN
TILATED

PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM
INCOMPATIBLE MATERIALS.

Other Precautions:AVOID SKIN AND EYE CONTACT.DO NOT INHALE DUST.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR
A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST AND MISTS,DEPENDING ON
THE AIRBORN CONCENTRA TION.

Ventilation:USE EXPLOSIO
N-PROOF LOCAL EXHAUST.

Protective Gloves:CHEMICALLY RESISTANT GLOVES

Eye Protection:DUST-PROOF GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A
LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:EXECISE GOOD LABORATORY PRACTICES.WASH HANDS
AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

FIRST AID(INGEST):PRECIPATE CA OXALATE BY GIVING CALCIUM IN ANY
FORM(EG.MILK,LIME WATER,CHALK,CALCIUM GLUCONATE,CACL,CALCIUM
LACTATE;DO NOT USE

GASTRIC LAVAGE OR EMESIS IF TISSUE CORROSION HAS
OCCURED ;ADD 10G OF CA GLUCONATE TO EMESIS SOLUTION;GIVE 10%CA
GLUCONATE,10ML IV.PH OF 5% SOLUTION IS 7.2-8.5.

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

HCC:T4

Boiling Pt:B.P. Text:212F,100C

Decomp Temp:Decomp Text:212F,100C

Spec Gravity:2.127

pH:SUPPL.

Appearance and Odor:ODORLESS,COLORLESS TO WHITE,HYGROSCOPIC MONOCLINIC
CRYSTALS.

Percent Volatiles by Volume:NIL

===== Stability and Reactivi

ty Data =====

Stability Indicator/Materials to Avoid: YES

ACIDS, ACID FUMES, ALKALI METALS, BASES, OXIDIZERS. CORRODES STEEL.

Stability Condition to Avoid: AVOID COMBUSTIBLE MATERIALS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL 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 their particular situation.