

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, MON

OHYDRATE
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.IN
HAL: 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,BLUSH COLOR TO FINGERS AND NAILS,ULCERS AND GANGRE
N
E.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 RESPIRAT
ION 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 PR

ESSENCE 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-VENTILATED

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 CONCENTRATION.

Ventilation:USE EXPLOSION

-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):PRECIPITATE 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 Reactivity =====

y 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.

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