

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

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===== 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,BLUIISH 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.

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===== 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.

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===== 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

ESENCE 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-VENT
ILATED

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 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):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 Reactivit

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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