

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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