

FISHER SCIENTIFIC CO CHEMICAL DIV. -- POTASSIUM THIOCYANATE -- 6810-00-247-0597
===== Product Identification =====

Product ID:POTASSIUM THIOCYANATE
MSDS Date:11/09/1994
FSC:6810
NIIN:00-247-0597
MSDS Number: BMCBL
=== 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 THIOCYANATE
CAS:333-20-0
RTE

CS #:XL1925000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (MS) 854 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:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.THE LETHAL
DOSEINHAL:MAY CAUSE RESPIRATORY
IRRITATION.CHRONIC:CONJUNCTIV
ITIS.MAY DAMAGE HEART,BRAIN AND
THYROID .

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

Effects of

Overexposure:INGEST:HEADACHE,NAUSEA,VOMITING,DIZZINESS,FATIGUE,DISO
RIENTATION,HYPOTENSION.INHAL:LOW DOSES MAY CAUSE
HEADACHE,DROWSINESS,DIZZINESS,NARCOSIS,HYPOTENSION,HALLUCINATIONS,C
ONFUSION,CYANOSIS.LARGE DOSES MAY CAUSE PSYCHOTIC
EPISODES.SKIN:REDNESS,PAIN,DERMATITIS.EYE:MAY LOOSEN THE EP
ITHELIUM
OF THE CORNEA.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
HEART,THYROID OR CNS 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 .MAINTAIN AIRWAY AND BLOOD PRESSURE.GI
VEOXYGEN OR
ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET MEDICAL ATTENTION.IF
CONSCIOUS,GIVE REMOVE BY GASTRIC LAVAGE OR EMESIS.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY,DRY CHEMICAL,CARBON DIOXIDE,ALCOHOL
RESISTANT FOAM.

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

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSE

D TO
HEAT OR FLAME.

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

Spill Release Procedures:DO NOT TOUCH SPILLED MATERIAL.SHOVEL INTO A DRY CONTAINER FOR DISPOSAL.
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:FOLLOW LABEL DIRECTION S.

===== 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 PARTICULATES,DEPENDING ON THE AIRBORN CONCENTRATI ON.
Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.
Protective Gloves:CHEMICALLY RESISTANT GLOVES
Eye Protection:SPLASH OR DUST-PROOF GO GGLES
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
NONE

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

HCC:T6
Boiling Pt:=500.C, 932.F
Melt/Freeze Pt:=173.3C, 344.F
Decomp Temp:=500.C, 932.F
Spec Gravity:1.9
pH:7.0
Solubility in Water:COMPLETE
Appearance and Odor:ODORLESS,CO

LORLESS, DELIQUESCENT CRYSTALS, SALINE
TASTE.

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

Stability Indicator/Materials to Avoid: YES
PERCHLORYL FLUORIDE, CHLORATES, NITRATES, CALCIUM
CHLORATE, ACIDS, PEROXIDES, ORGANIC PEROXIDES.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: CYANIDES, OXIDES OF
SULFUR, NITROGEN, CARBON AND POTASSIUM.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS.

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