

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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