

FISHER SCIENTIFIC, CHEMICAL DIV. -- THIOURIA -- 6810-00-270-3237

===== Product Identification =====

Product ID:THIOURIA

MSDS Date:04/05/1995

FSC:6810

NIIN:00-270-3237

MSDS Number: BPRFP

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Phone Num:201-796

-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

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:THIOUREA (SARA 313) (CERCLA)

CAS:62-56-6

RTECS #:YU2800000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

===== Hazards

Identification =====

LD50 LC50 Mixture:LD50 ORAL, RAT: 125MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYE:MAY CAUSE IRRIT. SKIN:MAY CAUSE IRRIT,ABSORBED THRU SKIN IN HARMFUL AMTS,SKIN SENSITIZATION,ALLERGIC RX WHICH BECOMES EVIDENT UPON RE-EXPO TO MATL. INGEST:HARMFUL.MAY CAUSE ALLERGIC REACTION CHARA CTERIZED BY RASH,MAY CAUSE SEVERE IRRITOF DIGESTIVE T RACT. INHAL:MAY CAUSE RESP TRACT IRRIT.CHRONIC:LIVER DMG,(SUPPLE)  
Explanation of Carcinogenicity:PER MSDS:NTP-SUSPECT CARCINOGEN; OSHA:POSSIBLE SELECT CARCINOGEN; IARC-GROUP 2B CARCINOGEN.  
Effects of Overexposure:EYE/SKIN/GI TRACT/RESP TRACT IRRIT. HARMFUL IF ABSORBED THRU SKIN, SKIN SENSITIZATION, ALLERGIC SKIN REACTION, RASH, LIVER DAMAGE, THYROID DAMAGE.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER. TARGET ORGANS:HEART, LIVER.

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First Aid Measures =====

First Aid:EYE:FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS,LIFT UPPER/LOWER LIDS.GET MED AID IMMED.SKIN:GET MED AID IMMED.FLUSH W/PLENTY OF SOAP/WATER FOR @LEAST 15MINS WHILE REMOVING CONTAM CLOTH/SHOES.INGEST:IF CONSC/ALERT GIVE 2-4 CUPFULS OF MILK/WATER.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.GET MED AID IMMED.INDUCE VOMIT BY GIVING 1 TEASPOON OF SYRUP OF IPECAC.CALL POIS CNTRL CNTR.INHAL:REMOVE FROM (SUPPL)

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

Flash Point:NOT AVAILABLE  
Autoignition Temp:Autoignition Temp Text:N/AVAI  
Lower Limits:N/AVAI  
Upper Limits:N/AVAI  
Extinguishing Media:SUBSTANCE IS NONFLAMMABLE;USE AGENT MOST APPROPRIATE TO EXTINGUISH SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND MSHA/NIOSH(APPROVED/EQUIVALENT)& FULL PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQPMT.CLEANUP IMMED OBSERVING PRECAUTIONS IN PROTECTIVE EQPMT SEC OF MSDS.SWEEP UP THEN PLACE INTO SUITABLE CLEAN DRY CONTAINER FOR DISPOSAL.AVOID GENERATING DUSTY CONDI TIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:USE W/ADEQUATE VENTI.MIN DUST GENERATION/ ACCUMULATION.AVOID CONTACT EYE/SKIN/CLOTH.DO NOT INGEST/INHAL.STORE IN COOL DRY PLACE.KEEP CNTNR TIGHTLY CLSD  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 29CFR1910.134/ANSI Z88.2 REQMTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

Ventilation:USE ADEQUATE VENTI TO KEEP AIRBORNE CONC LOW.

Protective Gloves:APP  
ROPRIATE PROTECTIVE GLOVES.

Eye Protection:EYEGASSES,CHEM SAF GOGG-29 CFR 1910.133

Other Protective Equipment:APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPO.

Work Hygienic Practices:WASH THOROUGHLY AFT HDNLG.REMOVE CONTAMIN CLOTH & WASH BEF REUSE;DISCARD CONTAMIN SHOES.

Supplemental Safety and Health

HEALTH HAZ:CANCER ACCORDING TO ANIMAL STUDIES,REPRODUCTIVE/FETAL EFFECTS,PROL/REP EXPO MAY CAUSE THYROID DMG. 1ST AID:EXPO TO FRESH AIR IMMED.NOT BREATH GIVE ART RESP;DIFFI BRE  
ATH GIVE OXY.GET MED  
AID. DR:TREAT SYMPT/SUPPORTIVELY.

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

HCC:T4

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:347F,175C

Decomp Temp:Decomp Text:N/AVAI

Vapor Pres:N/AVAI

Vapor Density:2.6

Spec Gravity:1.41

pH:N/AVAI

Viscosity:N/AVAI

Evaporation Rate & Reference:N/AVAI

Solubility in Water:SOLUBLE

Appearance and Odor:SOLID, WHITE CRYSTALS, ODORLESS.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, ACROLEIN, HYDROGEN PEROXIDE.

Stability Condition to Avoid: INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products: NITROGEN OXIDES, CARBON MONOXIDE,  
OXIDES OF SULFUR, CARBON DIOXIDE, NITROGEN.

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

Waste Disposal Methods: DISPOSE OF IN MANNER CONSISTENT W/FED/STATE/LOC  
REGS. RCRA WASTE #

: U219. CHEM SUBJ TO REPORTING REQMTS SEC 313 TITLE  
III/40CFR372.

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