

FISHER SCIENTIFIC, CHEMICAL DIV. -- AMMONIUM THIOCYANATE -- 6810-00-241-1204

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Product Identification  
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Product ID:AMMONIUM THIOCYANATE

MSDS Date:11/28/1991

FSC:6810

NIIN:00-241-1204

MSDS Number: BMTWV

=== 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

Emergency Phone Num:20

1-796-7100 OR 201-796-7523

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

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Composition/Information on Ingredients  
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Ingred Name:AMMONIUM THIOCYANATE (SARA III) \*

CAS:1762-95-4

RTECS #:XK7875000

Fraction by Wt: 100.0%

OSHA PEL:NOT ESTABLISHED \*

ACGIH TLV:NOT ESTABLISHED \*

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:HUMAN LDLO 430 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:ACUTE-INHALE:MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT,COUGHING & DIFFICULT BREATHING.EYE/SKIN:MAY CAUSE IRRITATION & REDNESS.ORAL:MAY CAUSE HEADACHE,NAUSEA,VOMITING,DIZZINESS,WEAKNESS,FAINTNESS & LOW BLOOD PRESSURE.LETHAL DOS

E 15-30G.CHRONIC-CONJUNCTIVITIS,DERMATITIS,MILD TO SEVERE CNS DISTURBANCES & CONFUSION.

Effects of Overexposure:MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT, COUGHING & DIFFICULT BREATHING. MAY CAUSE EYES AND SKIN IRRITATION & REDNESS. ORALLY MAY CAUSE HEADACHE, NAUSEA, VOMITING, DIZZINESS, WEAKNESS, FAINTNESS & LOW BLOOD PRESSURE. LETHAL DOSE IS 15-30 GRAMS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IMMEDIATELY.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.INHALED:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN IF NEEDED.ORAL:IF CONSCIOUS & NOT CONVULSING,INDUCE VOMITING BY GIVING SYRUP OF IPECAC (KEEPING THE HEAD BELOW THE HIPS TO PREVENT ASPIRATION),FOLLOWED BY WATER.REPEAT IN 20 MINUTES IF NOT EFFECTIVE INITIALLY.CALL A PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR NIOSH-APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE. MOVE CONTAINERS AWAY IF POSSIBLE. DIKE FIRE-CONTROL WATER.

Unusual Fire/Explosion Hazard:MAY FORM TOXIC FUMES OF HYDROGEN CYANIDE, HYDROGEN SULFIDE, TOXIC OXIDES OF CARBON,

# SULFUR AND NITROGEN.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. FOR SMALL SPILLS, TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CLEAN, DRY CONTAINERS FOR LATER DISPOSAL. REPORTABLE QUANTITY (RQ) IS 5000 LBS. DO NOT GENERATE DUST.

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

Handling and Storage Precautions:STORAGE-STORE I  
N A COOL, DRY, WELL

VENTILATED AREA.STORE AWAY FROM INCOMPATIBLES.KEEP IN A TIGHTLY CLOSED CONTAINER.

Other Precautions:AVOID BREATHING FUMES OR DUSTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST

T. IN DUSTY CONDITIONS, A NIOSH-APPROVED DUST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, USE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST TO REDUCE EXPOSURE BELOW TLV/ PEL.

Protective Gloves:RUBBER, PLASTIC.

Eye Protection:DUST-RESISTANT CHEMICAL GOGGLES.

Other Protective Equipment:EYE WASH, SAFETY SHOWER, APRON OR LAB COAT.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAM

INATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:338F,170C

Melt/Freeze Pt:M.P/F.P Text:301F,149C

Spec Gravity:1.305

pH:\*

Solubility in Water:128%

Appearance and Odor:DELIQUESCENT, COLORLESS CRYSTALS \*PH 5% SOLUTION 4.5-6.0

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, CHLORATES, LEAD NITRATE, NITRATES,

NITRIC ACID, POTASSIUM  
CHLORATE, SODIUM NITRITE

Stability Condition to Avoid: STABLE UNDER NORMAL TEMPERATURES AND  
PRESSURES.

Hazardous Decomposition Products: MAY FORM TOXIC FUMES OF HYDROGEN  
CYANIDE, HYDROGEN SULFIDE, TOXIC OXIDES OF CARBON, SULFUR AND  
NITROGEN.

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

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

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