

ALDRICH CHEMICAL CO INC. -- THIOUREA, 99+%, ACS REAGENT -- 6810-00-270-3237

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Product Identification  
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Product ID:THIOUREA, 99+%, ACS REAGENT

MSDS Date:12/09/1988

FSC:6810

NIIN:00-270-3237

MSDS Number: BJRMX

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC.

Address:1001 W. ST. PAUL AVE

Box:2060

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Emergency Phone Num:414-273-3850

CAGE

:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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Composition/Information on Ingredients  
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Ingred Name:THIOUREA (SARA III)

CAS:62-56-6

RTECS #:YU2800000

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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Hazards Identification  
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LD50 LC50 Mix

LD50 (ORAL RAT) IS 125 MG/KG

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Reports of Carcinogenicity: NTP: YES IARC: YES OSHA: NO

Health Hazards Acute and Chronic: ACUTE: EYE, SKIN, GASTROINTESTINAL & RESPIRATORY TRACT IRRITATION. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN AN ALLERGIC SKIN REACTION. MAY BE ABSORBED THROUGH SKIN.

Explanation of Carcinogenicity: THIOUREA IS A SUSPECT CARCINOGEN ACCORDING TO NTP AND IARC.

Effects of Overexposure: EYE, SKIN, GASTROINTESTINAL & RESPIRATORY TRACT IRRITATION SUCH AS TEARING, RASH, NAUSEA OR DIFFICULTY IN BREATHING.

Medical Conditions Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, STOMACH OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE. TARGET ORGANS: BLOOD, LIVER, LUNGS.

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

First Aid: EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY.

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

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures: SMALL SPILL: EVACUATE AREA, WEAR SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES AND CAREFULLY SWEEP UP MATERIAL AND

PLACE IN BAG FOR PROPER WASTE DISPOSAL. WEAR DISPOSABLE COVERALLS IF POSSIBLE AND DISCARD CONTAMINATED CLOTHING. AVOID RAISING DUST.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions: DO NOT INGEST. USE WITH ADEQUATE VENTILATION.

DO NOT

BREATHE VAPOR OR MIST. DO NOT GET IN EYES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. AVOID REPEATED OR PROLONGED CONTACT WITH SKIN OR EYES.

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

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation: ME

CHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST RECOMMENDED FOR USE IN ENCLOSED AREAS.

Protective Gloves: NEOPRENE OR NATURAL RUBBER GLOVES

Eye Protection: SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES.

LAUNDRY CONTAMINATED CLOTHING THOROUGHLY BEFORE WEARING. KEEP WORK AREA CLEAN.

Supplemental Safety  
and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE. SUSPECT CARCINOGEN - AVOID CONTACT.

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

HCC: T4

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

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS AND STRONG ACIDS.

Stability Condition

to Avoid:HIGH TEMPERATURES

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

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

Waste Disposal Methods:WASTE THIOUREA IS A HAZARDOUS WASTE (CODE U219)  
AND MUST BE DISPOSED I/A/W ALL APPLICABLE FEDERAL, STATE AND LOCAL  
REGULATIONS. THOROUGHLY WASH SPILL SITE AFTER ANY SPILL.

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