

ALDRICH CHEMICAL COMPANY, INC. P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

ATTN: SAFETY DIRECTOR

EMERGENCY PHONE 1-414-273-3850

DATE 01/02/97 CUST#: 523216 PO#: ING-72657

J GREGORIUS UNIVERSITY OF WISCONSIN WHITEWATER P O BOX 296 WHITEWATER WI 53190-0296

PAGE SHEET SAFETY MATERIAL CHEMICAL IDENTIFICATION-SECTION 1. -T1560-1 CATALOG #: TETRAHYDROTHIOPHENE, 99% NAME: - COMPOSITION/INFORMATION ON INGREDIENTS SECTION 2. - - - -CAS #: 110-01-0 MF: C4H8S 203-728-9 NO: TETRAHYDROTHIOFEN (CZECH) * TETRAHYDROTHIOPHENE (DOT)
TETRAMETHYLENESULFIDE * THIACYCLOPENTANE * THILANE *
THIOLANE * THIOPHANE * UN2412 (DOT) * SYNONYMS THILANE * THIOFAN (CZECH) - - - - HAZARDS IDENTIFICATION -SECTION 3. - - -LABEL PRECAUTIONARY STATEMENTS FLAMMABLE (USA) HIGHLY FLAMMABLE (EU) KEEP CONTAINER TIGHTLY CLOSED IN A COOL WELL-VENTILATED PLACE.
KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
DO NOT EMPTY INTO DRAINS. TĂKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES. STENCH. KEEP TIGHTLY CLOSED. - - - FIRST-AID MEASURES- --SECTION 4. - - - -IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY. - - FIRE FIGHTING MEASURES -SECTION 5. EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
WATER MAY BE EFFECTIVE FOR COOLING, BUT MAY NOT EFFECT EXTINGUISHMENT.

SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

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SHEET

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CATALOG #: T1560-1 NAME: TETRAHYDROTHIOPHENE, 99% FLAMMABLE. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND VAPOR MAY T CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS. FORMS EXPLOSIVE MIXTURES IN AIR. EMITS TOXIC FUMES UNDER FIRE CONDITIONS. --- ACCIDENTAL RELEASE MEASURES--SECTION 6. - - - -EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
COVER WITH AN ACTIVATED CARBON ADSORBENT, TAKE UP AND PLACE IN CLOSED
CONTAINERS. TRANSPORT OUTDOORS.
USE NONSPARKING TOOLS.
VENUTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. SECTION 7. - - - - - - - HANDLING AND STORAGE-REFER TO SECTION 8. SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- -WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE VAPOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
STENCH. STENCH. STORE IN A COOL DRY PLACE. - - PHYSICAL AND CHEMICAL PROPERTIES SECTION 9. - - -APPEARANCE AND ODOR COLORLESS LIQUID PHYSICAL PROPERTIES
BOILING POINT:
MELTING POINT: __119 C -96 C 55 F 12C 34MM 37.7 C FLASHPOINT 18MM 25 C VAPOR PRESSURE: SPECIFIC GRAVITY: - - -STABILITY AND REACTIVITY -SECTION 10. - - -INCOMPATIBILITIES

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MATERIAL SAFETY



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SHEET MATERIAL SAFETY DATA T1560-1 CATALOG #: TĒTRAHŸDROTHIOPHENE, NAME: STRONG OXIDIZING AGENTS HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
SULFUR OXIDES HYDROGEN SULFIDE GAS - - - - TOXICOLOGICAL INFORMATION -SECTION 11. - - -ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

MAY CAUSE IRRITATION.

EXPOSURE CAN CAUSE:

EXPOSURE TO A CAUSE:

EXPOSURE TO A CAUSE AND A CAUSE NAUSEA, HEADACHE AND VOMITING TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. ECS #: XN0370000 THIOPHENE, TETRAHYDRO-TOXICITY DATA

IHL-MUS LC50:27 GM/M3/2H
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION. - - - - ECOLOGICAL INFORMATION -SECTION 12. - - - -DATA NOT YET AVAILABLE. - - - - DISPOSAL CONSIDERATIONS - -SECTION 13. - - - -BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. SECTION 14. - - - - - - - TRANSPORT INFORMATION - - - -CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. - - - REGULATORY INFORMATION - -SECTION 15. - - - -EUROPEAN INFORMATION EC INDEX NO: 6 HIGHLY FLAMMABLE 613-087-00-0 R 11 HIGHLY FLAMMABLE. R 20/21/22 HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. R 36/38

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DATA SHEET SAFETY MATERIAL

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CATALOG #: NAME:

T1560-1 TETRAHYDROTHIOPHENE, 99%

IRRITATING TO EYES AND SKIN.

KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.

S 23 DO NOT BREATHE VAPOR. S 36/37 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK NOHS 1974: HZD T0475; NIS 2; TNF 29; NOS 2; TNE 225 NOES 1983: HZD T0475; NIS 1; TNF 24; NOS 1; TNE 5593 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, OCTOBER 1996

- - - OTHER INFORMATION - -SECTION 16.

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