

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

ATTN: SAFETY DIRECTOR
MARY ONSRUD
UNIVERSITY OF WISCONSIN WHITEWATER
P O BOX 296
WHITEWATER WI 53190

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DATE 09/24/99

CUST#: 523216
PO#: CC/ONSRUD/92399

PAGE 1 MATERI SAFETY HEE CHEMICAL IDENTIFICATION-SECTION 1. 30030-6 CATALOG #: METHYLCYCLOHEXANE, ANHYDROUS, 99+% NAME: - COMPOSITION/INFORMATION ON INGREDIENTS -SECTION 2. CAS #: MF: C7H14 EC NO: 2 108-87-2 203-624-3 SYNONYMS CYCLOHEXYLMETHANE \* HEXAHYDROTOLUENE \* METHYLCYCLOHEXANE (ACGIH:OSHA)
\* METYLOCYKLOHEKSAN (POLISH) \* SEXTONE B \* TOLUENE HEXAHYDRIDE \*
TOLUENE, HEXAHYDRO- \* - HAZARDS IDENTIFICATION SECTION 3. LABEL PRECAUTIONARY STATEMENTS FLAMMABLE (USA) HIGHLY FLAMMABLE (EU) HIGHLY FLAMMABLE (EU)
IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
KEEP CONTAINER IN A WELL-VENTILATED PLACE.
KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. - - - - FIRST-AID MEASURES- - -SECTION 4. - -IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. - - 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.
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

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

CUST#: 523216 PO#: CC/ONSRUD/92399 MATERIAL SAFETY DATA SHEET PAGE 30030-6 MĚTHYLČYCLOHEXANE, ANHYDROUS, 99+% UNUSUAL FIRE AND EXPLOSIONS HAZARDS
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.
EXTREMELY FLAMMABLE.
CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.
FORMS EXPLOSIVE MIXTURES IN AIR. SECTION 6. - - - -- ACCIDENTAL RELEASE MEASURES-EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.
WEAR\_SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SECTION 7. - - -- - HANDLING AND STORAGE-REFER TO SECTION 8. SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION-WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, C GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE BATH.

DO NOT BREATHE VAPOR.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

WASH CONTAMINATED CLOTHING REPORE DEUGE CHEMICAL-RESISTANT WASH CONTAMINATED CLOTHING BEFORE REUSE. IRRITANT.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
STORE IN A COOL DRY PLACE. SECTION 9. - - - - -PHYSICAL AND CHEMICAL PROPERTIES PHYSICAL PROPERTIES
BOILING POINT:
MELTING POINT: 101 C 26 C -126 25 F 3C EXPLOSION LIMITS IN AIR: 83.2MM 37.7 C AUTOIGNITION TEMPERATURE: VAPOR PRESSURE: 37MM SPECIFIC GRAVITY: 0.7 545 F 37MM 20 C

CATALOG #:

FLASHPOINT

UPPER LOWER

SECTION 10. - - -

VAPOR DENSITY:

INCOMPATIBILITIES

3.4

NAME:

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- - -STABILITY AND REACTIVITY - -

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MATERIAL

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SHEET

30030-6 CATALOG #: METHYLCYCLOHEXANE, ANHYDROUS, 99+% NAME: OXIDIZING AGENTS HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS CARBON MONOXIDE, CARBON DIOXIDE - TOXICOLOGICAL INFORMATION SECTION 11. -ACUTE EFFECTS
CAUSES SKIN IRRITATION.
HARMFUL IF INHALED OR SWALLOWED.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
PROLONGED EXPOSURE CAN CAUSE:
NARCOTIC EFFECT RTECS #: GV6125000 CYCLOHEXANE, METHYL-TOXICITY DATA

ORL-MUS LD50:2250 MG/KG

IHL-MUS LC50:41500 MG/M3/2H

IHL-RBT LC50:15227 PPM/1H

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. SECTION 13. - - - -- - DISPOSAL CONSIDERATIONS 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. - TRANSPORT INFORMATION -SECTION 14. CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. REGULATORY INFORMATION SECTION 15. - -EUROPEAN INFORMATION 601-018-00-7 EC INDEX NO: HIGHLY FLAMMABLE I RŘÍ TÁNŤ ĤIĞĤLY FLAMMABLE. S 9 KEÉP CONTAINER IN A WELL-VENTILATED PLACE. S 16

SAFETY

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CATALOG #: NAME:

30030-6 METHYLCYCLOHEXANE, ANHYDROUS, 99+%

KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

REVIEWS, STANDARDS, AND REGULATIONS

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OEL=MAK
ACGIH TLV-TWA 1610 MG/M3 (400 PPM) DTLVS* TLV/BEI,1997
MSHA STANDARD-AIR:TWA 500 PPM (2000 MG/M3)
DTLVS* 3162,1971
OSHA PEL (5GN INDU):8H TWA 500 PPM (2000 MG/M3)
CFRGBR 29,1910.1000.1994
OSHA PEL (5GN INDU):8H TWA 500 PPM (2000 MG/M3)
CFRGBR 29,1910.1000.1994
OSHA PEL (5GNSTRUC):8H TWA 500 PPM (2000 MG/M3)
CFRGBR 29,1926.55.1994
OSHA PEL (5HIPYARD):8H TWA 500 PPM (2000 MG/M3)
CFRGBR 29,1915.1000.1993
OSHA PEL (5HIPYARD):8H TWA 500 PPM (2000 MG/M3)
CFRGBR 29,1915.1000.1993
OSHA PEL (5HIPYARD):8H TWA 500 PPM (2000 MG/M3)
CFRGBR 41;50-204.50;1994
OEL-AUSTRALIA:TWA 400 PPM (1610 MG/M3) JAN 1993
OEL-BELGIUM:TWA 400 PPM (1610 MG/M3) JAN 1993
OEL-BELGIUM:TWA 400 PPM (1610 MG/M3) JAN 1993
OEL-GERMANY:TWA 400 PPM (1600 MG/M3);STEL500 PPM (2000 MG/M3) JAN 1993
OEL-GERMANY:TWA 500 PPM (2000 MG/M3) JAN 1993
OEL-JAPAN: OEL 400 PPM (1600 MG/M3) JAN 1993
OEL-JAPAN: TWA 400 PPM (1600 MG/M3) JAN 1993
OEL-THE NETHERLANDS:TWA 400 PPM (1600 MG/M3) JAN 1993
OEL-THE NETHERLANDS:TWA 500 PPM (2000 MG/M3) JAN 1993
OEL-THE NETHERLANDS:TWA 500 PPM (2000 MG/M3) JAN 1993
OEL-THE NETHERLANDS:TWA 500 PPM (1600 MG/M3) JAN 1993
OEL-TURKEY:TWA 500 PPM (2000 MG/M3) JAN 1993
OEL-TURKEY:TWA 500 PPM (
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SECTION 16. - - -
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THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BY HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE. BE

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30030-6 METHYLCYCLOHEXANE, ANHYDROUS, 99+%

980 SOUTH SECOND STREET RONKONKOMA, NEW YORK 11779-7238, USA



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