

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

ATTN: SAFETY DIRECTOR

EMERGENCY PHONE 1-414-273-3850

DATE 07/30/96 CUST#: 938609 PO#: 82809

JOEL WATKINS, BLDG F/252 SCHOOLCRAFT COLLEGE 18600 HAGGERTY ROAD LIVONIA MI 48152-3932

MATERIAL SAFETY DATA SHEET PAGE 1

SECTION 1. - - - - - - - CHEMICAL IDENTIFICATION-

CATALOG #: NAME:

12543-1 CYCLOHEXENE, 99%

SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - -

CAS #: 110-83-8 MF: C6H10 EC NO: 203-807-8

SYNONYMS
BENZENETETRAHYDRIDE * BENZENE, TETRAHYDRO- * CYCLOHEXENE (ACGIH:DOT: OSHA) * CYKLOHEKSEN (POLISH) * HEXANAPHTHYLENE * TETRAHYDROBENZENE * 1,2,3,4-TETRAHYDROBENZENE * UN2256 (DOT) *

SECTION 3. - - - - - - - HAZARDS IDENTIFICATION - - - - - -

BEL PRECAUTIONARY STATEMENTS
FLAMMABLE (USA)
HIGHLY FLAMMABLE (EU)
IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
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.

SECTION 4. - - - - - - - FIRST-AID MEASURES- - - - - - - -

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.
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.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - - FIRE FIGHTING MEASURES - - - - - - -

EXTINGUISHING MEDIA CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

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MATERIAL SAFETY DATA SHEET PAGE 12543-1 CYCLOHEXENE, 99% CATALOG #: NAME: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. UNUSUAL FIRE AND EXPLOSIONS HAZARDS EXTREMELY FLAMMABLE. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK. - - - - ACCIDENTAL RELEASE MEASURES- -SECTION 6. - - -EVACUATE AREA.
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. SECTION 7. - - -- - - HANDLING AND STORAGE-REFER TO SECTION 8. ADDITIONAL INFORMATION CAUTION: FORMS EXPLOSIVE PEROXIDES ON PROLONGED STORAGE. 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.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE VAPOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING. IRRITANT IRRITANT.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
STORE IN A COOL DRY PLACE. SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES APPEARANCE AND ODOR COLORLESS LIQUID PHYSICAL PROPERTIES BOILING POINT: MELTING POINT: -104 C FLASHPOINT 10 F 12C EXPLOSION LIMITS IN AIR:

5%

UPPER



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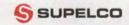
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-	BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.																												
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HIGHLY FLAMMABLE IRRITANT
R 36/37/38
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IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. HIGHLY FLAMMABLE KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. S 36/37/39
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

REVIEWS, STANDARDS, AND REGULATIONS

CONTINUED ON NEXT PAGE



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CATALOG #: NAME: 12543-1 CYCLOHEXENE, 99%

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1996 NIOSH ANALYTICAL METHOD, 1994: HYDROCARBONS, BP 36-126 DEGREE C, 1500

SECTION 16. - - - - - - - OTHER INFORMATION-

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 BE 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.

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