



chemists helping chemists in research & industry

aldrich chemical co.

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DATE: 01/06/88
 CUST # 523216 P.O. # UNH-81643

M A T E R I A L S A F E T Y D A T A S H E E T PAGE: 1

IDENTIFICATION

PRODUCT # 11279-8 NAME: DICYCLOPENTADIENE, 95%
 CAS # 77-73-6

TOXICITY HAZARDS

RTECS # PC1050000

4,7-METHANOINDENE, 3A, 4,7,7A-TETRAHYDRO-
 IRRITATION DATA

SKN-RBT 10 MG/24H OPEN SEV
 SKN-RBT 9300 UG/24H OPEN SEV
 SKN-RBT 500 MG/24H MOD
 EYE-RBT 500 MG OPEN
 EYE-RBT 500 MG/24H MLD

AMIHBC 10,61,54
 AIHAAP 23,95,62
 28ZPAK -,27,72
 AMIHBC 10,61,54
 28ZPAK -,27,72

TOXICITY DATA

ORL-RAT LD50:353 MG/KG
 IHL-RAT LC50:359 PPM/4H
 IPR-RAT LD50:200 MG/KG

TXAPA9 20,552,71
 TXAPA9 20,552,71
 NCIUS* PH43-64-886, JAN,6

5
 ORL-MUS LD50:190 MG/KG
 IHL-MUS LC50:145 PPM/4H
 IPR-MUS LD50:200 MG/KG

40QBA3 -,448,78
 TXAPA9 20,552,71
 NCIUS* PH43-64-886, JAN,6

5
 IHL-RBT LC50:771 PPM/4H
 SKN-RBT LD50:5080 MG/KG
 IHL-GPG LC50:770 PPM/4H
 ORL-CTL LD50:1200 MG/KG
 IPR-MAM LD50:960 MG/KG
 ORL-BRD LD50:1010 MG/KG

TXAPA9 20,552,71
 TXAPA9 20,552,71
 TXAPA9 20,552,71
 NTIS** AD-A093-673
 NTIS** AD-A087-257
 NTIS** AD-A087-257

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV-TWA 5 PPM 85IN8 5,194,86
 EPA GENETOX PROGRAM 1986, NEGATIVE: HISTIDINE REVERSION-AMES TEST; S
 CEREVISIAE-HOMOZYGOSIS
 EPA TSCA CHEMICAL INVENTORY, 1986
 EPA TSCA SECTION 8(E) STATUS REPORT 8EHQ-0980-0364;8EHQ-0278-0077 P;
 8EHQ-0378-0097
 EPA TSCA SECTION 8(E) STATUS REPORT 8EHQ-0478-0138 P;8EHQ-0678-0180
 EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JUNE 1987
 MEETS CRITERIA FOR PROPOSED OSHA MEDICAL RECORDS RULE FEREC 47,30420,
 82

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)
 DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
 VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER
 RESPIRATORY TRACT.
 CAUSES SKIN IRRITATION.

CHRONIC EFFECTS

DAMAGE TO THE LIVER
 DAMAGE TO THE KIDNEYS

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PAGE: 2

CATALOG # 11279-8

NAME: DICYCLOPENTADIENE, 95%

DAMAGE TO THE LUNGS
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

-----PHYSICAL DATA-----

MELTING POINT: -1 C
BOILING POINT: 170 C
SPECIFIC GRAVITY: 1.071
VAPOR DENSITY: 4.62C
VAPOR PRESSURE: 9.75 MM @ 37.7 C

----- FIRE AND EXPLOSION HAZARD DATA -----

LOWER EXPLOSION LEVEL: 1.0%
UPPER EXPLOSION LEVEL: 10.0%
FLASH POINT: 80 F
EXTINGUISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.
SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.
FLAMMABLE LIQUID.
UNUSUAL FIRE AND EXPLOSION HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND
FLASH BACK.
CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

----- REACTIVITY DATA -----

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG ACIDS
STRONG BASES
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER
AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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NAME: DICYCLOPENTADIENE, 95%

WASTE DISPOSAL METHOD

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 & LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

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.

TOXIC.

IRRITANT.

KEEP TIGHTLY CLOSED.

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

STORE UNDER NITROGEN.

STORE IN A COOL DRY PLACE.

----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

ADDITIONAL INFORMATION

INHIBITED WITH 200 PPM 4-TERT-BUTYLCAECHOL.

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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