MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT #: 11279-8    NAME: DICYCLOPENTADIENE, 95%

CAS #: 77-73-6

TOXICITY HAZARDS

RTCS #: PC10500000
4,7-METHANOINDENENE, 3A, 4, 7, 7A-TETRAHYDRO-

IRRITATION DATA

SKN-RBI 10 mg/24H OPEN SEV
SKN-RBI 9300 mg/24H OPEN SEV
SKN-RBI 500 mg/24H MOD
EYE-RBT 500 mg OPEN
EYE-RBT 500 mg/24H MLD

TOXICITY DATA

ORL-RAT LD50: 335 mg/KG
IHL-RAT LC50: 1359 PPM/4H
IPR-RAT LD50: 2200 mg/KG
ORL-MUS LD50: 190 mg/KG
IHL-MUS LC50: 145 PPM/4H
IPR-MUS LD50: 200 mg/KG

REVIEW, STANDARDS, AND REGULATIONS

ACGIH TLV - TWA 5 PPM BSINAB 5.19486
EPA GENETOX PROGRAM 1986, NEGATIVE: HISTIDINE REVERSION-AMES TEST: S
CEREVISIAE-HOMOZYGOSITY
EPA TSCA CHEMICAL INVENTORY, 1986
EPA TSCA SECTION 8(e) STATUS REPORT 8EHQ-0980-03648EHQ-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 FERELAC 47,30420,
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ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTCS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTCS FOR COMPLETE INFORMATION.

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
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.
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.

MELTING POINT: -1°C
BOILING POINT: 170°C
SPECIFIC GRAVITY: 1.071
VAPOR DENSITY: 4.622
VAPOR PRESSURE: 9.75 mm @ 37.7°C

FIRE AND EXPLOSION HAZARD DATA
LOWER EXPLOSION LEVEL: 1.0%
UPPER EXPLOSION LEVEL: 1.0%
FLASH POINT: 80°F

EXTINGUISHING MEDIA
WATER SLOWLY.
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 FIRED 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.

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.
MATERIAL SAFETY DATA SHEET 

CATALOG #: 11279-8  
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-BUTYLCATECHOL.

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.