

SIGMA CHEMICAL COMPANY POST OFFICE BOX 14508 SAINT LOUIS, MISSOURI 63178, USA

ATTN: SAFETY DIRECTOR

EMERGENCY PHONE 1-314-771-5765

UNIVERSITY OF WISCONSIN WHITEWATER ACCOUNTS PAYABLE PO BOX 296 WHITEWATER WI 53190-02

DATE 08/23/96 CUST#: 2-097-94804 PO#: MCARD 08/21/96

53190-0296

WHITEWATER WI 53190 0290
MATERIAL SAFETY DATA SHEET PAGE
SECTION 1 CHEMICAL IDENTIFICATION
CATALOG #: D9542 NAME: 4',6-DIAMIDINO-2-PHENYLINDOLE DIHYDROCHLORIDE HYDRATE
SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS
CAS #: 28718-90-3 MF: C16H15N5 EC NO: 249-186-7
HAZARDOUS INGREDIENTS CONTAINS ACETONE, CHEMICAL ABSTRACTS REGISTRY NUMBER 67-64-1.
SECTION 3 HAZARDS IDENTIFICATION
LABEL PRECAUTIONARY STATEMENTS IRRITANT IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. TARGET ORGAN(S): LIVER KIDNEYS IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING.
SECTION 4 FIRST-AID MEASURES
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. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.
SECTION 5 FIRE FIGHTING MEASURES
EXTINGUISHING MEDIA CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. WATER SPRAY.
SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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CATALOG #: NAME: D9542 4',6-DIAMIDINO-2-PHENYLINDOLE DIHYDROCHLORIDE HYDRATE
SECTION 6 ACCIDENTAL RELEASE MEASURES
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE 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
CHEMICAL SAFETY GOGGLES. MECHANICAL EXHAUST REQUIRED. SAFETY SHOWER AND EYE BATH. COMPATIBLE CHEMICAL-RESISTANT GLOVES. NIOSH/MSHA-APPROVED RESPIRATOR. DO NOT BREATHE VAPOR. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. WASH THOROUGHLY AFTER HANDLING. IRRITANT. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE AND ODOR YELLOW POWDER
SECTION 10
STABILITY STABLE.
INCOMPATIBILITIES STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE NITROGEN OXIDES HYDROGEN CHLORIDE GAS
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
SECTION 11 TOXICOLOGICAL INFORMATION
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SHEET

D9542 CATALOG #: 4',6-DIAMIDINO-2-PHENYLINDOLE DIHYDROCHLORIDE HYDRATE NAME: ACUTE EFFECTS MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. CAUSES DERMATITIS. TARGET ORGAN(S): LIVER, KIDNEYS
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. - - - - ECOLOGICAL INFORMATION - - - - -SECTION 12. - - -DATA NOT YET AVAILABLE. SECTION 13. - - - - - - - DISPOSAL CONSIDERATIONS - -DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. SECTION 14. - - - - - - - TRANSPORT INFORMATION - - -CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. SECTION 15. - - - - - - REGULATORY INFORMATION - -EUROPEAN INFORMATION IRRITANT
R 36/37/38
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. ĬN ČASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S 36 WEĂR SUITABLE PROTECTIVE CLOTHING. TLV AND SOURCE FOR ACETONE: ACGIH TLV-TWA: 750 PPM (1780 MG/M3); STEL 1000 PPM (2380 MG/M3). OSHA PEL: 8H TWA 750 PPM (1800 MG/M3); STEL 1000 PPM (2400 MG/M3). S. INFORMATION
MAY CONTAIN UP TO:
1% ACETONE CAS # 67-64-1
THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

SAFETY

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THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO

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- - - - OTHER INFORMATION-



SECTION 16. - - - -













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P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

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UNIVERSITY OF WISCONSIN

WHITEWATER

ATTN/LANCE IRVIN

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