

CYTEC INDUSTRIES INC. -- CURING AGENT A -- 6810-01-157-6546

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Product Identification
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Product ID:CURING AGENT A

MSDS Date:07/31/1998

FSC:6810

NIIN:01-157-6546

MSDS Number: CKCWZ

=== Responsible Party ===

Company Name:CYTEC INDUSTRIES INC.

Address:FIVE GARRET MOUNTAIN PLAZA

City:WEST PATERSON

State:NJ

ZIP:07424

Country:US

Info Phone Num:1-800-652-6013

Emergency Phone Num:1-800-424-9300

Re

sp. Party Other MSDS Num.:01207

Preparer's Name:RANDY DESKIN

Chemtec Ind/Phone:(800)424-9300

CAGE:TO521

=== Contractor Identification ===

Company Name:CYTEC INDUSTRIES INC.

Address:FIVE GARRET MOUNTAIN PLAZA

Box:City:WEST PATERSON

State:NJ

ZIP:07424

Country:US

Phone:1-800-652-6013

CAGE:TO521

Company Name:INDUSTRIAL CHEMICAL COMMODITIES INC

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279

Contract Num:SP0450-00-M-D319

CAGE:1ELU0

Company Name:INDUSTRIAL

CHEMICAL COMMODITIES INC
Address:15944 DERWOOD RD
Box:City:ROCKVILLE
State:MD
ZIP:20855
Country:US
Phone:800-284-5279
Contract Num:SP0450-00-M-SG55
CAGE:1ELU0

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Composition/Information on Ingredients
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Ingred Name:DIETHYLAMINOPROPYLAMINE
CAS:104-78-9
RTECS #:TX7350000
= Wt:100.

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Hazards Identification
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LD50 LC50 Mixture:ORAL (RAT): LD50 1410 MG/KG
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute a

nd Chronic:ACUTE ORAL (RAT) AND DERMAL (RABBIT)

LD50 VALUES ARE 1,410 MG/KG, AND 750 MG/KG, RESPECTIVELY. THE ESTIMATED 4-HOUR LC50 IS GREATER THAN 2,500 PPM. DIRECT CONTACT WITH THIS MATERIAL MAY CAUSE SEVERE EYE AND SKIN IRRITATION. INHALATION OVEREXPOSURE MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT AND EYES.

Effects of Overexposure:ACUTE ORAL (RAT) AND DERMAL (RABBIT) LD50 VALUES ARE 1,410 MG/KG, AND 750 MG/KG, RESPECTIVELY. THE ESTIMATED 4-HOUR LC50 IS GREATER THAN 2,500 PPM. DIRECT CONTACT WITH THIS MATERIAL MAY CAUSE SEVERE EYE AND SKIN IRRITATION. INHALATION OVEREXPOSURE MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT AND EYES.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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First Aid Measures
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First Aid:IN CASE OF SKIN CONTACT, REMOVE CONTAMINATED CLOTHING WITHOUT DELAY. WEAR IMPERVIOUS GLOVES. CLEANSE SKIN THOROUGHLY WITH SOAP AND WATER. DO NOT OMIT CLEANING HAIR OR UNDER FING

ERNAILS IF

CONTAMINATED . DO NOT REUSE CLOTHING WITHOUT LAUNDERING. DO NOT REUSE CONTAMINATED LEATHERWARE. IN CASE OF EYE CONTACT, IMMEDIATELY IRRIGATE WITH PLENTY OF WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION WITHOUT DE LAY.

===== Fire Fighting Measures =====

Flash Point Method:TOC

Flash Point:=58.9C, 138.F

Autoignition Temp:=365.C, 689.F

Lower Limits:1.4

Upper Limits:11.6

Extinguishing Media:USE WATER SPRAY, ALCOHOL FOAM, CARBON DIOXIDE O R

DRY CHEMICAL TO EXTINGUISH FIRES. WATER STREAM MAY BE INEFFECTIVE. USE WATER TO KEEP CONTAINERS COOL.

Fire Fighting Procedures:WEAR SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND FULL FIREFIGHTING PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:NOT PROVIDED

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE SOURCES OF IGNITION. WHERE EXPOSURE LEVEL IS NOT KNOWN, WEAR NIOSH APPROVED, POSITIVE PRESSURE, SELF-CONT

AINED RESPIRATOR. WHERE EXPOSURE LEVEL IS KNOWN, WEAR NIOSH APPROVED RESPIRATOR SUITABLE FOR LEVEL OF EXPOSURE. IN ADDITION TO THE PROTECTIVE CLOTHING/EQUIPMENT, WEAR IMPERVIOUS BOOTS. COVER SPILL W/INERT ABSORBENT MATERIAL; SWEEP UP & PLACE IN A WASTE DISPOSAL CONTAINER. FLUSH W/WATER.

Neutralizing Agent:NOT PROVIDED

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING

VAPOR. KEEP AWAY FROM HEAT AND FLAME.

KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. AREAS CONTAINING T HIS MATERIAL SHOULD HAVE FIRE-SAFE PRACTICES AND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NFPA-30.

Other Precautions:NOT PROVIDED

===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOR OPERATIONS WHERE INHALATION EXPOSURE CAN OCCUR, A NIOSH APPROVED RESPIRATOR RECOMMENDED BY AN INDUSTRIAL H

HYGIENIST MAY BE NECESSARY. A FULL FACEPIECE RESPIRATOR ALSO PROVIDES EYE AND FACE PROTECTION.

Ventilation:UTILIZE CLOSED SYSTEM PROCESS WHERE FEASIBLE. WHERE MATERIAL IS NOT USED IN A CLOSED SYSTEM, GOOD ENCLOSURE AND LOCAL EXHAUST VENTILATION SHOULD BE PROVIDED.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH PROOF GOGGLES OR FACE SHIELD.

Other Protective Equipment:PROVIDE EYEWASH FOUNTAIN AND SAFETY SHOWER IN CLOSE PROXIMITY TO POINTS OF POTENTIAL EXPOSURE. TO PREVENT SKIN

CONTACT WEAR SKIN PROTECTION, SUCH AS APRON, WORKPANTS, LONG SLEEVE WORKSHIRT, ETC.

Work Hygienic Practices:BEFORE EATING, DRINKING, OR SMOKING, WASH FACE AND HANDS WITH SOAP AND WATER. PREVENT EYE AND SKIN CONTACT.

Supplemental Safety and Health

FOOD, BEVERAGES, AND TOBACCO PRODUCTS SHOULD NOT BE CARRIED, STORED, OR CONSUMED WHERE THIS MATERIAL IS IN USE. PREVENT CONTAMINATION OF SKIN OR CLOTHING WHEN REMOVING PROTECTIVE EQUIPMENT. FOR OPERATIONS

WHERE EYE OR SKIN CONTACT CAN OCCUR WEAR THE SPECIAL PROTECTIVE EQUIPMENT SPECIFIED.

===== Physical/Chemical Properties =====

HCC:F7

Boiling Pt.=168.9C, 336.F

Vapor Pres:1 MM HG@20C

Vapor Density:4.4

Spec Gravity:0.83

Evaporation Rate & Reference:0.100; (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID; AMMONIACAL ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:

oxid:YES

STRONG MINERAL ACIDS.

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:THERMAL DECOMPOSITION OR COMBUSTION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE AND/OR OXIDES OF NITROGEN.

===== Toxicological Information =====

Toxicological Information:THIS PRODUCT CONTAINS NO OSHA REGULATED (HAZAROUS) COMPONENTS.

===== Disposal Considerations =====

Waste Disposal Methods:REFER TO 40 CFR PART 261.

33 TO DETERMINE IF A

GIVEN MATERIAL TO BE DISPOSED OF IS A RCRA "LISTED HAZARDOUS WASTE;" OR HAS ANY OF THE FOUR RCRA "HAZARDOUS WASTE CHARACTERISTICS." FEDERAL REGULATIONS ARE SUBJECT TO CHANGE. STATE & LOCAL REQUIREMENTS, WHICH MAY DIFFER FROM OR BE MORE STRINGENT THAN THE FEDERAL REGULATIONS, MAY ALSO APPLY.

===== MSDS Transport Information =====

Transport Information:DOT, IMO, ICAP/IATA, AND TRANSPORT CANADA:
DIETHYLAMINOPROPYLAMINE,
CLASS 3, PACKING GROUP III, UN2684.

===== Regulatory Information =====

SARA Title III Information:PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA: ACUTE & FIRE. THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS REGULATED UNDER SARA 313.

Federal Regulatory Information:THIS PRODUCT IS MANUFACTURED IN COMPLIANCE WITH ALL PROVISIONS OF THE TOXIC SUBSTANCES CONTROL ACT, 15 USC 2601 ET. SEQ.

State Regulatory Information:NOT PROVIDED

===== Other Information =====

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