

CYTEC INDUSTRIES INC -- CONATHANE CE-1155 PART A URETHANE PREPOLYMER --  
5970-00-242-0505

===== Product Identification =====

Product ID:CONATHANE CE-1155 PART A URETHANE PREPOLYMER

MSDS Date:04/18/2000

FSC:5970

NIIN:00-242-0505

Status Code:A

Kit Part:Y

MSDS Number: CLCTN

=== Responsible Party ===

Company Name:CYTEC INDUSTRIES INC

Address:FIVE GARRET MOUNTAIN PLAZA

City:WEST PATERSON

State:NJ

ZIP:0

7424

Country:US

Info Phone Num:800-652-6013

Emergency Phone Num:716-372-9650

Resp. Party Other MSDS Num.:06157

Preparer's Name:RANDY DESKIN, PH.D. DABT

Chemtec Ind/Phone:(800)424-9300

CAGE:0V7G8

=== Contractor Identification ===

Company Name:CYTEC INDUSTRIES INC

Address:FIVE GARRET MOUNTAIN PLAZA

Box:City:WEST PATERSON

State:NJ

ZIP:07424

Country:US

Phone:800-652-6013

CAGE:0V7G8

Company Name:POLYMER ENGINEERING INCORPORATED

Address:41 CHESTNUT ST

Box:City:GREENWICH

State:CT

ZIP:06830

Country:US

Phone:PH: 203-531-1100 FAX:203-532-1974

Contract Num:SP0430-01-M-NG48

CAGE:1FWX0

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===== Composition/Information on Ingredients =====

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER  
ACETATE/1-METHOXY-2-PROPANOL ACETATE

CAS:108-65-6

RTECS #:AI8295000

= Wt:25.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)

CAS:1330-20-7

RTECS #:ZE2100000

= Wt:15.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150STEL;9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENEDIISOCYANATE (MIXED ISOMERS) (SARA 313) (CERCLA)

CAS:26471-62-5

RTECS #:NQ9490000

&lt; Wt:.7

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005PPM/0.02STEL;96

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 5,000 MG/KG

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acu

te and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LIVER, KIDNEY, RESPIRATORY & GI TRACTS. DIRECT CONTACT WITH THIS MATERIAL MAY CAUSE MODERATE EYE AND SKIN IRRITATION. INHALATION OVEREXPOSURE MAY CAUSE ALLERGIC RESPIRATORY REACTION, IRRITATION OF THE RESPIRATORY TRACT AND EYES. REPEATED OR PROLONGED DERMAL CONTACT WITH THIS MATERIAL MAY CAUSE ALLERGIC SKIN REACTIONS. CHRONIC TOXICITY HAZARD! CONTAINS TDI WHICH MAY CAUSE RESPIRATORY SYSTEM DAMAGE & HAS CAUSED CANCER IN LA

LABORATORY ANIMAL TESTS.

Explanation of Carcinogenicity:TDI CAUSED CANCER IN LABORATORY ANIMAL TESTS. ACGIH CLASSIFIES IT AS A4: NOT CLASSIFIABLE AS HUMAN CARCINOGEN.

Effects of Overexposure:IRRITATION, TEARING, REDNESS AND DRYING AND CRACKING OF SKIN, NAUSEA, VOMITING, DIARRHEA, DIZZINESS, HEADACHE, DROWSINESS, WEAKNESS, FATIGUE, DIFFICULTY IN BREATHING, ALLERGIC RESPIRATORY REACTIONS.

Medical Cond Aggravated by Exposure:NO INFO PROVIDED BY MFR.

===== First

Aid Measures =====

First Aid:MATERIAL IS NOT EXPECTED TO BE HARMFUL BY INGESTION. GET MEDICAL HELP. INHALED:REMOVE TO FRESH AIR. PROVIDE ARTIFICIAL RESPIRATION/OXYGEN IF NEEDED. EYES:IRRIGATE WITH PLENTY OF WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:REMOVE CONTAMINATED CLOTHES & SHOES. WASH WITH SOAP& WATER.

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

Flash Point Method:SCC

Flash Point:=-27.8C, 82.F

Extinguishing Media:USE CARBON

DIOXIDE, DRY CHEMICAL, WATER SPRAY OR

ALCOHOL FOAM TO EXTINGUISH FIRES. IF WATER SPRAY OR ALCOHOL FOAM IS USED, IT SHOULD BE IN LARGE QUANTITIES.

Fire Fighting Procedures:USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WEAR SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND FULL FIREFIGHTING PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:DO NOT RESEAL CONTAMINATED CONTAINERS SINCE PRESSURE BUILD-UP MAY CAUSE RUPTURE. WATER OR ALCOHOL FOAM MAY REACT VIGOROUSLY

WITH HOT ISOCYANATE RELEASING CARBON DIOXIDE.  
SEE SECTION 8 (EXPOSURE CONTROL/PERSONAL PROTECTION).

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

Spill Release Procedures:WHERE EXPOSURE LEVEL UNKNOWN, WEAR SCBA;  
OTHERWISE WEAR NIOSH-APPROVED RESPIRATOR SUITABLE FOR LEVEL OF  
EXPOSURE. WEAR IMPERVIOUS BOOTS IN ADDITION TO THE PROTECTIVE  
CLOTHING MENTIONED ELSEWHERE IN THIS MSDS. COVER SPILLS WITH SOME  
INERT ABSORBENT MATERIAL; SWEEP UP & PLACE IN A W

ASTE DISPOSAL

CONTAINER. FLUSH AREA WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, & FLAME.  
AVOID BREATHING VAPOR. AVOID PROLONGED OR REPEATED CONTACT WITH  
SKIN. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH  
THOROUGHLY AFTER HANDLING. DO NOT ALLOW WATER OR OTHER LIQUIDS TO  
GET INTO CONTAINER.

Other Precautions:AREA

S CONTAINING THIS MATERIAL SHOULD HAVE FIRE-SAFE  
PRACTICES & ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ELECTRICAL &  
FIRE PROTECTION CODES (NFPA-30) GOVERNING CLASS 1 FLAMMABLE  
LIQUIDS.

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

Respiratory Protection:WHERE EXPOSURES ARE BELOW THE PERMISSIBLE  
EXPOSURE LIMIT(PEL) NO RESPIRATORY PROTECTION IS REQUIRED. WHERE  
EXPOSURES EXCEED THE PEL USE RESPIRATOR APPROVED BY NIOSH FOR THE  
MATERIAL AND LEVEL OF EXPO  
SURE. SEE (GUIDE TO INDUSTRIAL  
RESPIRATORY PROTECTION)(NIOSH).

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)  
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:IMPERVIOUS.

Eye Protection:CHEMICAL SPLASH GOGGLES &/OR FACESHIELD.

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, WORK  
CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:FOOD, BEVERAGES & TOBACCO PRODUCTS SHOULD NOT  
BE CARRIED, STORED OR CONSUMED WHERE THIS MATERIA

L IS IN USE.

BEFORE EATING, DRINKING OR SMOKING; WASH FACE & HANDS WITH SOAP & WATER.

Supplemental Safety and Health

HCC FOR THIS PART IS: F3. THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS. PART A AND PART B. FOR PART B SEE MFN: 02, SERIAL # CLCTV, SAME NSN.

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Physical/Chemical Properties  
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HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=137.8C, 280.F

B.P. Text:280F - 300F

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Spec Gravity:1.13

Evaporation

Rate & Reference:5000 MG/KG

RESPECTIVELY. XYLENE HAS ACUTE ORAL LD50 RAT OF 4.3 G/KG & A 4-HOUR INHALATION LC50 RAT OF 5000- 6700 PPM. TDI HAS AN ORAL LD50 RAT OF 5.8-6.2 G/KG & AN LC50 (4-HOUR) (RAT) IS 14 PPM (0.0997 G/L). IN A NTP STUDY, TDI GIVEN BY LAVAGE TO RATS & PRODUCED AN INCREASE IN TUMORS IN ANIMALS. INHALATION OF VAPORS, NO CARCINOGENIC EFFECTS WERE FOUND.

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Ecological Information  
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Ecological:NO AQUATIC LC50,

BOD, OR COD DATA AVAILABLE. OCTANOL/H2O

COEF: NOT AVAILABLE.

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Disposal Considerations  
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Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL LAWS & REGULATIONS. CYTEC RECOMMENDS THAT ORGANIC MATERIALS CLASSIFIED AS RCRA HAZARDOUS WASTES BE DISPOSED OF BY THERMAL TREATMENT OR IN CINATION AT EPA APPROVED FACILITIES. THE PERSON(S) GENERATING THE WASTE IS RESPONSIBLE FOR DETERMI NING THE WASTE CLASS

IFICATION & DISPOSAL METHOD.

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MSDS Transport Information  
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Transport Information:DOT: FLAMMABLE LIQUID, N.O.S, 3, UN1993, III. RQ:

XYLENE=666LBS; TDI=14,285 LBS. IMO: FLAMMABLE LIQUID, NOS CL3.3 PG

III UN 1993 IMDG PAGE 3345. ICAO/IATA: FLAMMABLE LIQUID, NOS CL3 PG

III UN1993 PACK ING INSTRUCTION: PASSENGER 309, CARGO 310; MAX NET

QUANTITY: PASSENGER-60L; CARGO-220 L. TRANSPORT CANADA: FLAMMABLE

LIQUID, NOS CL3 PG III UN1993. LABEL FOR

ALL MODES: FLAMMALE  
LIQUID.

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

SARA Title III Information:THE FOLLOWING COMPONENTS OF THIS PRODUCT MAY  
BE SUBJECT TO REPORTING REQUIREMENTS PURSUANT TO SECTION 313 OF  
CERCLA (40 CFR 372), SECTION 12(B) OF TSCA OR MAY BE SUBJECT TO  
RELEASE REPORTING REQUIREMENTS OF 40 CFR 307, 40 CFR 311, ETC:  
XYELENE CAS# 1330-20-7 %=15 TPQ=NONE RQ=100 LBS S313-YES TSCA  
12B-NO; TOLUENE DIISOCYANATE CAS#-26471-62-5 %=