

CONAP INC. (SUBSIDIARY OF CYTEC INDUSTRIES INC) -- CONATHANE CE-1155 URETHANE  
PREPOLYMER PART A -- 5970-01-217-8835

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

Product ID:CONATHANE CE-1155 URETHANE PREPOLYMER PART A

MSDS Date:01/17/1995

FSC:5970

NIIN:01-217-8835

MSDS Number: BXBQW

=== Responsible Party ===

Company Name:CONAP INC. (SUBSIDIARY OF CYTEC INDUSTRIES INC)

Address:1405 BUFFALO STREET

City:OLEAN

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tate:NY

ZIP:14760-1139

Country:US

Info Phone Num:716-372-9650

Emergency Phone Num:716-372-9650/800-424-9300(CHEMTREC)

Preparer's Name:MARVIN A. FRIEDMAN, PHD

CAGE:MO932

=== Contractor Identification ===

Company Name:CONAP INC. (SUBSIDIARY OF CYTEC INDUSTRIES INC)

Address:1405 BUFFALO STREET

Box:City:OLEAN

State:NY

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Company Name:CONAP INC.,WHOLLY OWNED SUBSIDIARY OF CYTEC INDUSTRIES  
INC.

Address:1405 BUFFALO STREET

Box:City:OLEAN

State:NY

ZIP:14760

Country:US

Phone:716-372-9650

CAGE:16245

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

Ingred Name:XYLENES (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENEDIISOCYANATE (SARA III)

CAS:26471-62-5

RTECS #:NQ9490000

Fraction by Wt: 5000MG/KG.

s of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:DIRECT CONTACT W/MATL MAY CAUSE  
MODERATE EYE & MILD SKIN IRRIT.INHAL OVEREXPO MAY CAUSE ALLERGIC  
RESP RX & RESP TRACT/EYE IRRIT.REP/PROL SKIN CONTACT MAY CAUSE  
ALLERGIC SKIN RX.ACUTE:INHAL:HARMFUL.MAY CAUSE ALLERGIC EYE/RESP  
RX.CAUSES EYE IRRIT.CHRONIC:CHRONIC TOXICITY HAZ.CONTAINS TDI WHICH  
MAY CAUSE RESP SYSTEM DAMAG

Explanation of Carcinogenicity:PER MSDS:TDI CAUSED CANCER IN LAB ANIMAL  
TE  
STS.

Effects of Overexposure:RESP TRACT & EYE & SKIN IRRITATION. ALLERGIC  
SKIN & RESPIRATORY REACTIONS. HEADACHE, NAUSEA, DIZZINESS,  
STAGGERED GAIT, FATIGUE. CNS EFFECTS. SEVERE BREEATHING DIFFICULTY  
SIMILAR TO ASTHMA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:SKIN:IMMED WASH W/SOAP & PLENTY OF WATER.REMOVE CONTAMIN  
CLOTH/SHOES.OBTAIN MED ATTN.EYE:IMMED IRRIGATE W/PLENTY OF  
WATER  
FOR 15MINS.OBTAIN MED ATTN IF IRRIT PERSISTS.INHAL:GIVE ART RESP IF  
NOT BREATH ;CONTD TIL NORMAL BREATH IS ESTABLISHED.OBTAIN MED ATTN  
W/O DELAY.

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

Flash Point Method:SCC  
Flash Point:82.0F,27.8C  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY OR  
ALCOHOL FOAM.IF USE WATERSPRAY OR ALCOHOL USE LG QUANTITIES.  
Fire Fighting Procedures:WATER/ALCOHOL FOAM MAY RX VIGOROUSLY W/HOT  
ISOCYANATE RELEA  
SING CO2.DO NOT RESEAL CONTAMIN CNTNRS--PRESSURE  
BUILD UP MAY CAUSE RUPTURE.COOL FIRE-EXPO CNTNR(SUP)  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:EXPO LEVEL UNK WEAR NIOSH APPROVED +PRESS  
SELF-CONTAINED RESP.EXPO LEVEL KNOWN WEAR NIOSH APPROVED RESP  
SUITABLE FOR EXPO LEVEL.WEAR PROT CLOTH/EQPMT,IMPERV BOOTS.COVER  
SPILL W/INERT ABSORBENT MATL.SW EEP UP.PLACE IN WASTE DI

SPOSAL

CNTNR.FLUSH W/WATER

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT/SPARKS/FLAME.AVOID BREATH VAP.AVOID PROL/REPEAT SKIN CONTACT.AVOID EYE CONTACT.USE W/ADEQ VENTI.DO NOT ALLOW WATER/LIQ INTO CNTNR.

Other Precautions:AREAS CONTAINING MATL SHOULD HAVE FIRE-SAFE PRACTICES & ELECTRICAL EQPMT IAW ELECTRICAL & FIRE PROTECT CODES(NFPA-30) GOVERNING CL

ASS I FLAMM LIQ.FOODBEV/TOBACCO PROD SHOULD NOT BE CARRIED/STORED/CONS UMED WHERE MATL IS IN USE.

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

Respiratory Protection:WHERE EXPOSURES ARE BELOW PEL NO RESPIRATORY PROTECTION IS REQUIRED. WHERE EXPO EXCEED PEL USE RESP APPROVED BY NIOSH FOR MATL & LEVEL OF EXPOSURE. SEE "GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION" (NI OSH).

Ventilation:WHERE MATL NOT USED IN CLSD SYS GOOD ENCLOSURE & LOC EXHAU VENTI SHOUL

D BE PROVIDED TO CONTROL EXPO.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEM SPLASH PROOF GOGG OR FACE SHIELDS

Other Protective Equipment:APRON,WORKPANTS,LONG SLEEVE WORK SHIRT,DISPOSABLE COVERALLS.EYEWASH EQPMT,SAFETY SHOWER.SHOWER AFT WORK.LEAVE WORK CLOTH

Work Hygienic Practices:DESTROY/CLEAN WELL CONTAMIN SHOES BEF REUSE.LAUNDER CONTAMIN CLOTH BEF REUSE.WASH WELL AFT USAGE & BEF EAT/DRINK/SMOKE.

Supplemental Safety and Health

FIREFIGHTING:W/WATER.WEAR SELF-CONTAINED BREATHING APPARATUS & FULL

FIREFIGHTING PROTECTIVE CLOTHING. THIS PART A OF 2-PART KIT--SEE NSN 5970-01-223-0782 FOR PART B. MFG ALSO SUPPLIES OTHER PRODUCTS T O THIS SPEC. SEE ALSO CE-1164 OF THIS SAME NSN.

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

HCC:F4

Boiling Pt:B.P. Text:280F,138C

Decomp Temp:Decomp Text:FF,-18C

Spec Gravity:1.13

Evaporation Rate & Reference: