

CONAP INC., SUBSIDIARY OF AMERICAN CYANAMID CO. -- CONATHANE CE1164 URETHANE  
PREPOLYMER -- 5970-01-021-2622

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

Product ID:CONATHANE CE1164 URETHANE PREPOLYMER

MSDS Date:01/11/1995

FSC:5970

NIIN:01-021-2622

MSDS Number: BXXLB

=== Responsible Party ===

Company Name:CONAP INC., SUBSIDIARY OF AMERICAN CYANAMID CO.

Address:1405 BUFFALO STREET

City:OLEAN

State:NY

ZIP:147

60

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:KO052

=== Contractor Identification ===

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

Address:1405 BUFFALO STREET

City:OLEAN

State:NY

ZIP:14760

Country:US

Phone:716-372-9650

CAGE:KO052

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:7

16-372-9650  
CAGE:16245  
Company Name:THE SMITH GROUP INC.  
Address:811 E. CAYUGA STREET  
Box:City:PHILADELPHIA  
State:PA  
ZIP:19124-3893  
Country:US  
Phone:215-743-8200  
Contract Num:SP0430-99-M-G837  
CAGE:2B613

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===== Composition/Information on Ingredients =====  
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Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
&lt; Wt:13.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,  
P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
&lt; Wt:10.  
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:ETHYL BENZENE (SARA III)  
CAS:100-41-4  
RTECS #:DA0700000  
&lt; Wt:3.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/125STEL;9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENEDIISOCYANATE (MIXED ISOMERS) (SARA III)  
CAS:26471-62-5  
RTECS #:NQ9490000  
&lt; Wt:3.  
O

ther REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005PPM/0.02STEL;94

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >4,000 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:DIRECT CONTACT WITH THIS MATERIAL MAY CAUSE MODERATE EYE AND SKIN IRRITATION. INHALATION OVEREXPOSURE MAY CAUSE ALLERGIC

RESPIRATORY REACTION. INHALATION OVEREXPOSURE MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT AND EYES.

REPEATED/PROLONGED DERMAL CONTACT WITH THIS MATERIAL MAY CAUSE ALLERGIC SKIN REACTION.

Explanation of Carcinogenicity:TDI CAUSED CANCER IN LABORATORY ANIMAL TESTS. CONTAINS MATERIAL WHICH CAUSED REPRODUCTIVE DISORDERS IN LAB ANIMAL TESTS.

Effects of Overexposure:SKIN: DIRECT CONTACT MAY CAUSE IRRITATION.

EYES: DIRECT CONTACT MAY CAUSE IRRITATION. INHALATION: MAY CAUSE

ALLERGIC RESPIRATORY REACTION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN-WASH IMMEDIATELY WITH SOAP & PLENTY OF WATER. REMOVE CONTAMINATED CLOTHES/SHOES. OBTAIN MEDICAL AID. EYE-IMMEDIATELY IRRIGATE WITH PLENTY OF WATER FOR 15 MIN. OBTAIN MEDICAL AID.

INHALATION-REMOVE FROM EXPOSURE. ADMINISTER OXYGEN IF HARD TO BREATHE. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHI

NG & CONTINUE

UNTIL NORMAL BREATHING IS ESTABLISHED. OBTAIN MEDICAL AID WITHOUT DELAY.

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

Flash Point Method:TCC

Flash Point:>7.2C, 45.F

Extinguishing Media:CARBON DIOXIDE; DRY CHEMICAL; WATER SPRAY & ALCOHOL FOAM IN LARGE AMTS.

Fire Fighting Procedures:USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WEAR SELF-CONTAINED POSITIVE PRESSURE BREATH APARATUS & FULL PROTECTIVE CLOTH.

Unusual Fire/Explosion Hazard:W

ATER OR ALCOHOL FOAM MAY REACT  
VIGOROUSLY W/HOT ISOCYANATE RELEASING CO2. DO NOT RESEAL  
CONTAMINATED CONTAINERS SINCE PRESSURE BUILDUP MAY CAUSE RUPTURE.

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

Spill Release Procedures:REMOVE SOURCES OF IGNITION. IF EXPOSURE LEVEL  
UNKNOWN WEAR NISOH APPROVED, POSITIVE PRESSURE, SELF CONTAINED  
RESPIRATOR. IN ADDITION TO PRETECTIVE CLOTHS/EQUIPMENT WEAR  
IMPERVIOUS BOOTS. COVER SPILL WITH INERT MATERIAL; SWEEP UP

&

PLACE INCANS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAME.  
AVOID BREATHING VAPORS & PROLONGED/REPEATED CONTACT WITH SKIN.  
AVOID CONTACT W/EYES. USE W/ADEQUATE VENTILATION.

Other Precautions:DO NOT ALLOW WATER OR OTHER LIQUIDS TO GET INTO  
CONTAINERS. AREAS CONTAINING THIS MATERIAL SHOULD HAVE FIRE-SAFE &  
ELECTRICAL EQUIPMENT IN ACCO

RDANCE WITH ELECTRICAL & FIRE

PROTECTION CODES GOVERNING CLASS I FLAMMABLE LIQUIDS.

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

Respiratory Protection:RESPIRATOR PROTECTION REQUIRED FOR EXPOSURES  
EXCEED THE PEL.

Ventilation:GOOD ENCLOSURE AND LOCAL EXHAUST VENTILATION SHOULD BE  
PROVIDED TO CONTROL EXPOSURE.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEM SPLASH PROOF GOGGLES, FACE SHIELDS

Other Protective Equipment:IMPERVIOUS APRON, WORKPANTS, LONGS

LEEVE WORK

SHIRT, OR DISPOSABLE COVERALLS. EYEWASH EQUIPMENT & SAFETY SHOWER.

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

Supplemental Safety and Health

FOOD, BEVERAGE & TOBACCO PRODUCTS SHOULD NOT BE CARRIED, STORE OR  
CONSUMED WHERE THIS MATERIAL IS IN USE.

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

HCC:F2

Spec Gravity:1.03

Evaporation Rate & Reference: