

CONAP INC. -- CONTHANE CE-1155 PART A URETHANE PREPOLYMER -- 5970-00-242-0505
===== Product Identification =====

Product ID:CONTHANE CE-1155 PART A URETHANE PREPOLYMER

MSDS Date:07/01/1997

FSC:5970

NIIN:00-242-0505

Kit Part:Y

MSDS Number: CDMMD

=== Responsible Party ===

Company Name:CONAP INC.

Address:1405 BUFFALO STREET

City:OLEAN

State:NY

ZIP:14760

Country:US

Info Phone Num:716-372-9650

Emergen

cy Phone Num:716-372-9650

Preparer's Name:DR. MARVIN A. FRIEDMAN

CAGE:16245

=== Contractor Identification ===

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

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

CAGE:2B613

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

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

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by 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

Fraction by Wt: < 0.7%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005PPM/0.02STEL;96

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:PROPYLENE G

LYCOL MONOMETHYL ETHER ACETATE

CAS:108-65-6

RTECS #:AI8295000

Fraction by Wt: 25%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5000 MG/KG (EST.)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE SKIN & EYE IRRITATION. INHALATIO

N MAY CAUSE ALLERGIC RESPIRATORY REACTION;

IRRITATION OF RESPIRATORY TRACT. PROLONGED/REPEATED EXPOSURE MAY CAUSE ALLERGIC SKIN REACTIONS. CHRO NIC: PROLONGED OR REPEATED EXPOSURE CAUSE RESPIRATORY SYSTEM DAMAGE DUE TO PRESENCE OF TDI.

Explanation of Carcinogenicity:NTP REPORTS TOLUENE DIISOCYANATE IS CARCINOGENIC IN RATS.

Effects of Overexposure:EYE: SEVERE IRRITATION, TEARING. SKIN:

IRRITATION, DERMATITIS. INHALATION: RESPIRATORY, IRRITATION, BURNING SENSATION, COUGHING

, RUNNY NOSE, ASTHMA, PULMONARY EDEMA.

SENSITIZING INGESTED: CAUSES G/I T RACT IRRITATION, NAUSEA, VOMITING, DIARRHEA. SYMPTOMS CAUSED BY SENSITIZATION MAY BE DELAYED SEVERAL HOURS.

Medical Cond Aggravated by Exposure:DLA-HMIS: PERSONS WITH A SKIN OR RESPIRATORY SYSTEM AILMENT OR DISORDER MAY BE MORE SUSCEPTIBLE TO EFFECTS OF THIS PRODUCT. THESE PERSONS SHOULD BE CAUTIONED WHEN HANDLING OR USING THIS PRODUCT.

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===== First Aid Measures =====
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First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES- FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL R ESPIRATION AS NEEDED. INGESTED-NONE SPECIFIED BY MANUFACTURER.

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===== Fire Fighting Measures =====
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Flash Point Method:SCC

Flash Point:82.0F,27.8C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR BURST WHEN CONTAMINATED WITH WATER. WATER/FOAM MAY REACT WITH PRODUCT FORMING CARBON DIOXIDE.

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===== Accidental Release Measures =====
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Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER

PERSONAL PROTECTIVE EQUIPMENT. COVER WITH INERT MATERIAL; SWEEP UP AND PLACE IN A WASTE DISPOSAL CONTAINER. FLUSH AREA WITH WATER.

Neutralizing Agent:NH4OH(0-10%)+DETERGENT(2-5%)+BALANCE WTR OR SOLN OF TERGITOL TMN10 20%+WTR 80%

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===== Handling and Storage =====
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Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAME.

AVOID BREATHING VAPOR. AVOID PROLONGED/REPEATED SKIN CONTACT. AVOID CONTACT WITH EYES.

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her Precautions:USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. DO NOT ALLOW WATER OR OTHER LIQUIDS TO GET INTO CONTAINER. AREAS CONTAINING THIS MATERIAL SHOULD HAVE FIRE-SAFE PRACTICES AND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NFPA-30.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CA

RTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER/NEOPRENE

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:SAFETY SHOWER & EYE BATH. APRON, LONG SLEEVED WORK SHIRT, LONG LEGGED PANTS.

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE PRACTICES.WASH HANDS AFTER EACH USE OF PRODUCT.DO NOT EAT/D

RINK/SMOKE IN WORK AREA.SHOWR AFTER

Supplemental Safety and Health

KEY1=F3. THIS IS PART A OF A 2 PART KIT. PART B IS UNDER PNI 'F' OF THIS NSN. THIS MSDS REFLECTS NEW FORMULA FOR PART A OF KIT.

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

HCC:F2

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

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.13

Evaporation Rate & Reference: