

CONAP 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:07/01/1997

FSC:5970

NIIN:00-242-0505

Status Code:A

Kit Part:Y

MSDS Number: CKTMR

=== Responsible Party ===

Company Name:CONAP INC.

Address:1405 BUFFALO STREET

City:OLEAN

State:NY

ZIP:14760

Country:US

Info Phone Num:716-

372-9650/202-483-7616 (OUTSIDE)

Emergency Phone Num:716-372-9650

Resp. Party Other MSDS Num.:6157

Preparer's Name:LARRY R. JOHNSON

Chemtec Ind/Phone:(800)424-9300

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

Co

Country:US
Phone:215-743-8200
Contract Num:SP0430-00-M-H933
CAGE:2B613
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:SP0430-98-M-LA60
CAGE:2B613
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-G895
CAGE:2B613
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-Y854
CAGE:2B613

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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

< Wt:.7

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005PPM/0.02STEL;96

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 2,000 MG/KG

Health Hazards Acute and Chronic:DIRECT CON

TACT 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. REFER TO
TOXICOLOGY SECTION FOR INFORMATION ON THE OSHA REGULATED COMPONENTS
OF THIS PRODUCT.

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

First Aid:IN CASE OF SKIN CONTACT, IMMEDIATELY

WASH AFFECTED AREAS WITH

SOAP/PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING & SHOES. OBTAIN
MEDICAL ATTENTION. DESTROY OR THOROUGHLY CLEAN SHOES BEFORE REUSE.
DO NOT REUSE CONTAMINATED CLOTHING WITHOUT LAUNDERING. IN CASE OF
EYE CONTACT, IMMEDIATELY IRRIGATE WITH PLENTY OF WATER FOR 15 MINS.
OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS. IF VAPOR OF THIS
MATERIAL IS INHALED, REMOVE FROM EXPOSURE. ADMINISTER OXYGEN IF
THERE IS DIFFICULTY IN BREATHING. GIVE ARTIFICIAL RESPIRATION IF

PERSON IS NOT BREATHING & CONTINUE UNTIL NORMAL BREATHING IS

ESTABLISHED. OBTAIN MEDICAL ATTENTION WITHOUT DELAYS.

===== 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:WATER OR ALCOHOL FOAM

MAY REACT VIGOROUSLY

WITH HOT ISOCYANATE RELEASING CARBON DIOXIDE. 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 NIOSH-APPROVED POSITIVE PRESSURE, SELF CONTAINED 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 AND PLACE IN A WASTE DISPOSAL CONTAINER. FLUSH AREA WITH WATER.

===== 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:AREAS CONTAINING THIS MATERIAL SHOULD HAVE FIRE-SAFE PRACTICES AND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ELECTRICAL AND 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 EXPOSURE. SEE (GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION)(NIOSH).

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROO

F)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:IMPERVIOUS.

Eye Protection:CHEMICAL SPLASH GOGGLES &/OR FACESHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS IMPERVIOUS GLOVES, APRON, WORKPANTS, LONG SLEEVE WORK SHIRT, OR DISPOSABLE COVERALLS ARE RECOMMENDED. EYEWASH EQUIPMENT AND SAFETY SHOWERS

Work Hygienic Practices:FOOD, BEVERAGES & TOBACCO PRODUCTS SHOULD NOT BE CARRIED, STORED OR CONSUMED WHERE THIS MATERIAL IS IN USE.

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

Supplemental Safety and Health

THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS. PART A AND PART B.

**STATEMENT OF HAZARD: FLAMMABLE LIQUID & VAPOR. CONTAINS TOLUENE DIISOCYANATE (TDI). VAPOR EXTREMELY IRRITATING. HARMFUL IF INHALED. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. CAUSES EYE IRRITATION.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt: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. DIRECT CONTACT WITH 1-METHOXY-2PROPANOL ACETATE CAN CAUSE MODERATE EYE & MILD SKIN IRRITATION. XYLENE HAS AN ACUTE ORAL LD50 (RAT) OF 4.3 G/KG & A 4-HOUR INHALATION LC50 (RAT) OF 5000-67000 PPM. LIQUID XYLENE IS A SEVERE EYE & MODERATE SKIN IRRITANT. ACUTE OVEREXPOSURE TO XYLENE VAPOR MAY CAUSE RESPIRATORY & EYE IRRITATION, HEADACHE, NAUSEA, DIZZINESS, STAGGERED GAIT & FATIGUE. REPEATED OVEREXPOSURE TO XYLENE MAY CAUSE REVERSIBLE EYE DAMAGE, PERIPHERAL & CENTRAL NEUROPATHY.

===== Ecological Information =====

Ecological:NO AQUATIC LC50, BOD, OR COD DATA AVAILABLE. OCTANOL/H2O PARTITION COEF: NOT APPLICABLE.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL LAWS & REGULATIONS

ONS. 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 CLASSIFICATION & DISPOSAL METHOD.

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

Transport Information:D.O.T. SHIPPING INFORMATION: SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. HAZARD CLASS: 3. PACKING GROUP: III. UN N UMBER: UN1993. D.O.T. HAZARDOUS SUBSTANCES: XYLENE (666 LBS) TOLUENEDIISOCYANATE (14,285 L BS). TRANSPORT LABEL REQUIRED: FLAMMABLE LIQUID. IMO SHIPPING INFORMATION: SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. HAZARD CLASS: 3.3 PACKING GROUP: III. UN NUMBER: 1993. IMDG PAGE: 3345. D.O.T. HAZARD OUS SUBSTANCES: NOT APPLICABLE. TRANSPORT LABEL REQUIRED: FLAMMABLE LIQUID. ADDITIONAL TRANSPORT INFORMATION: TECHNICAL NAME (N.O.S.): (CONTAINS XYLENE).

===== Regula tory Information =====

SARA Title III Information:PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA: ACUTE(Y), CHRONIC(Y), FIRE(Y), REACTIVE(N), PRESSURE(N). XYLENE, CAS NO: 001330-20-7, 15%, TPQ(LBS)-NONE, RQ(LBS)-100, S313-YES, TSCA 12B-NO. TOLUENE DISSOCYANATE, CAS NO: 26471-82-5,