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## **CONATHANE CE-1164 URETHANE PREPOLYMER**

### **MSDS Number**

BSCYV

### **National Stock Number**

5970-01-087-9124

### **Product Name**

CONATHANE CE-1164 URETHANE PREPOLYMER

### **Manufacturer**

CONAP INC

### **Product Identification**

Product ID: CONATHANE CE-1164 URETHANE PREPOLYMER

MSDS Date: 07/01/1997

FSC: 5970

NIIN: 01-087-9124

MSDS Number: BSCYV

### **Responsible Party**

CONAP INC.

1405 BUFFALO STREET

OLEAN, NY 14760

US

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

Info Phone: 716-372-9650

Preparer: LARRY R. JOHNSON, DVM

Cage: 16245

### **Contractor**

THE SMITH GROUP INC.

PHILADELPHIA, PA 19124-3893

US

215-743-8200

Cage: 2B613

### **Ingredients**

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight:

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150 STEL; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight:

OSHA PEL100 PPM/150 STEL

ACGIH TLV: S 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ETHYL BENZENE (SARA III)

CAS: 100-41-4

RTECS: DA0700000

Fraction By Weight:

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

TOLUENE DIISOCYANATE (MIXED ISOMERS) (SARA III)

CAS: 26471-62-5

RTECS: NQ9490000

Fraction By Weight:

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYES: MODERATE IRRITATION. SKIN:  
MODERATE IRRITATION, ALLERGIC SKIN REACTIONS. INHALATION: MAY CAUSE  
ALLERGIC RESPIRATORY REACTION. INGESTION: NOT A LIKELY ROUTE OF  
EXPOSURE.CHRONIC:MAY CAUSE BLOOD OR LIVER DAMAGE.TDI MAY CAUSE  
TUMORS.

Explanation of Carcinogenicity:CONTAINS TOLUENE DIISOCYANATE (TDI).  
Effects of Overexposure:MAY CAUSE HEADACHE, NAUSEA, STAGGERING GAIT,  
FATIGUE, "SPINNING HEAD". TOLUENE DIISOCYANATE MAY CAUSE ISOCYANATE  
SENSITIZATION, WHERE PROGRESSIVELY LOWER DOSAGES MAY CAUSE  
ASTHMA-LIKE SYMPTOMS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE,SKIN  
OR RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

## First Aid

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH  
AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT  
INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:TCC  
Flash Point:>45F,>7C  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY, ALCOHOL  
FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
FOG.

Unusual Fire/Explosion Hazard:WATER OR ALCOHOL FOAM MAY REACT WITH HOT

ISOCYANATE,RELEASING CO2.CONTAINERS MAY BURST AT ELEVATED TEMPERATURES. DECOMPOSITION PRODUCTS MAY BE TOXIC.

## Accidental Release

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT. VENTILATE AREA. SOAK UP WITH A NON- COMBUSTIBLE INERT ABSORBANT(CLAY,SAND). PLACE IN PROPER CONTAINER FOR DISPOSAL. CLEAN SPILL AREA WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS, FLAMES, MOISTURE AND INCOMPATIBLES.

Other Precautions:USE CAUTION FOR PRESSURE BUILDUP WHEN OPENING CONTAINER REMOVED FROM STORAGE. AVOID BREATHING VAPORS. AVOID SKIN AND EYE CONTACT.

## Exposure Controls

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/ MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDRY WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

NFPA CLASS 1 FLAMMABLE LIQUID. KEEP AWAY FROM FOOD. ISOCYANATES REACT WITH THE MOISTURE ON YOUR SKIN, MUCOSAL TISSUE AND EYES PRODUCING A STRONG CORROSIVE ACTION.

## Chemical Properties

HCC:F5

Boiling Pt:B.P. Text:NOT GIVEN

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

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.03

Evaporation Rate & Reference:Solubility in Water:REACTS WITH WATER.

Appearance and Odor:LIQUID,LOW VISCOSITY;AMBER;CHARACTERISTIC ODOR.

Percent Volatiles by Volume: 50

## Stability

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, SPARKS, OTHER SOURCES OF IGNITION AND MOISTURE.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CYANIDE, OXIDES OF NITROGEN, TOLUENE DIISOCYANATE.

Conditions to Avoid Polymerization:HIGH TEMPERATURE, ALCOHOLS, AMINES, STRONG ACIDS, POLYOLS, GLYCOLS, WATER.

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.RCRA CODES:TOLUENE(U220);XYLENES(U239);TOLUENE DIISOCYANATE(U223).

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