

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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