

## **CONATHENE EN-7 PART A**

### **MSDS Number**

BSCZH

### **National Stock Number**

9330-01-138-8222

### **Product Name**

CONATHENE EN-7 PART A

### **Manufacturer**

CONAP INC

### **Product Identification**

Product ID: CONATHENE EN-7 PART A

MSDS Date: 09/11/1987

FSC: 9330

NIIN: 01-138-8222

Kit Part: Y

MSDS Number: BSCZH

### **Responsible Party**

CONAP INC.

1405 BUFFALO STREET

OLEAN, NY 14760

US

Emergency Phone: 716-372-9650

Info Phone: 716-372-9650

Preparer: GEORGE C. KARPIN

Cage: 16245

### **Contractor**

CONAP INC., WHOLLY OWNED SUBSIDIARY OF CYTEC INDUSTRIES

OLEAN, NY 14760

US

716-372-9650

Cage: 16245

### **Ingredients**

TOLUENE-2,4-DIISOCYANATE (TDI) (SARA III)

CAS: 584-84-9

RTECS: CZ6300000

Fraction By Weight: >20%

OSHA PEL 0.005PPM/.02 STEL

ACGIH TLV: 0.005PPM/0.02STEL;93

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

### **NON HAZARDOUS INGREDIENTS**

Fraction By Weight:

## Hazards

LD50 LC50 Mixture:LC50 (RAT) 470 MG/M3 (4-HR)  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE SEVERE RESPIRATORY IRRITATION, BRONCHITIS AND HYPERSENSITIVITY. CONTACT WITH SKIN AND EYE MAY CAUSE SEVERE IRRITATION; MAY ALSO CAUSE SKIN SENSITIZATION. INGESTION MAY CAUSE GI TRACT IRRITATION AND CORROSION OF MUCOUS MEMBRANES. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE CANCER.  
Explanation of Carcinogenicity:NTP AND IARC (2B) LIST TOLUENE DIISOCYANATE AS A SUSPECTED CARCINOGEN.  
Effects of Overexposure:INHALED: COUGHING, SNEEZING, SHORTNESS OF BREATH, SORE THROAT, FLUID IN LUNGS, RUNNING NOSE, REDUCTION OF LUNG FUNCTION. EYES: PAIN, REDNESS, TEARING, BLURRED VISION. SKIN: REDNESS, ITCHING, DISCOMFORT, SWELLING, BLISTERING. INGESTED: NAUSEA, VOMITING, DIARRHEA, BURNING SENSATION IN MOUTH, THROAT, AND STOMACH.  
Medical Condition Aggravated by Exposure:EXISTING RESPIRATORY CONDITIONS.

## First Aid

First Aid:INHALED: REMOVE TO FRESH AIR. ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN AS NEEDED. GET MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND WATER. INGESTED: DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE 12 FLUID OZ OF MILK OR WATER. GET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:PMCC  
Flash Point:>300F,>149C  
Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard:EXPLOSIVE RUPTURE OF FIRE EXPOSED CONTAINERS COULD OCCUR. TOLUENE DIISOCYANATE AND OTHER HIGHLY IRRITATING OR TOXIC VAPORS MAY BE PRODUCED DURING COMBUSTION.

## Accidental Release

Spill Release Procedures:WEAR PROPER PROTECTIVE CLOTHING AND EQUIPMENT. COVER WITH INERT MATERIAL. POUR DECONTAMINATING (NEUTRALIZATION) SOLUTION ON SPILL AND ALLOW TO REACT FOR 10 MINUTES. SCOOP INTO OPEN-TOPPED CONTAINERS AND ALLOW TO STAND FOR 24-48 HOURS; CLOSETOPS.  
Neutralizing Agent:CONCENTRATED AMMONIA (3-8%), DETEGENT (2%), AND WATER (90%).

## Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS TO PREVENT MOISTURE CONTAMINATION. DO NOT RESEAL CONTAMINATION IS SUSPECT.  
Other Precautions:AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE VAPORS.

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. IF ENGINEERING CONTROLS FAIL OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.  
Ventilation:LOCAL EXHAUST SHOULD BE USED TO MAINTAIN EXPOSURE BELOW TLV.  
Protective Gloves:BUTYL, NITRILE, PVA  
Eye Protection:GOGGLES WITH FACESHIELD  
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. COVER AS MUCH EXPOSED SKIN AS POSSIBLE.  
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

DO NOT WEAR CONTACTS WHEN HANDLING/USING THIS MATERIAL. KEY1=T4. PART A  
OF TWO PART KIT.

## Chemical Properties

HCC:T4

Spec Gravity:0.97 (WATER=1)

Evaporation Rate & Reference:UNKNOWN (ETHER=1)

Solubility in Water:REACTS

Appearance and Odor:LIQUID; SHARP PUNGENT ODOR

Percent Volatiles by Volume:NIL

## Stability

Stability Indicator/Materials to Avoid:YES

WATER, SHORT-CHAIN ALCOHOLS, AMINES.

Stability Condition to Avoid:TEMPERATURES HIGHER THAN RECOMMENDED BY  
PRODUCT LITERATURE. CONTACT WITH INCOMPATIBLE MATERIALS.

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

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS.

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