

CARBOLINE CO -- URETHANE CONVERTER 900, (0848BINL) -- 8010-00N060902

===== Product Identification =====

Product ID:URETHANE CONVERTER 900, (0848BINL)
MSDS Date:03/16/1994
FSC:8010
NIIN:00N060902
MSDS Number: BXXCH
=== Responsible Party ===
Company Name:CARBOLINE CO
Address:350 HANLEY INDUSTRIAL CT
City:ST. LOUIS
State:MO
ZIP:63144
Country:US
Info Phone Num:314-644-1000
Emergency Phone Num:800-424-9300 (CHEMTREC)
Preparer's Name:V L F
CAGE:06634

=== Contractor Identification ===

Company Name:CARBOLINE CO
Address:350 S HANLEY INDUSTRIAL CT
Box:City:ST. LOUIS
State:MO
ZIP:63144-1599
Country:US
Phone:314-644-1000
CAGE:06634
Company Name:CARBOLINE CO TOCH DIV
Address:350 HANLEY INDUSTRIAL CT W
Box:City:ST. LOUIS
State:MO
ZIP:63144-1510
Country:US
Phone:314-644-1000
CAGE:16793

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

Ingred Name:HEXAMETHYLENE DIISOCYANATE POLYMER; (POLYMERIC HDI)
CAS:3779-63-3
Fraction by Wt: 90%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:SOLVENT NAPHTHA, LIGHT AROMATIC; (AROMATIC SOLVENT) LD50
(ORAL RAT): 4700 MG/KG
CAS:64742-95-6
RTECS #:WF3400000
Fraction by Wt: 5%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ACETIC ACID, BUTYL ESTER; (BUTYL ACETATE) (CERCLA)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 5%
OSHA PEL:150 PPM

ACGIH TLV:150 PPM/200STEL
 EPA Rpt Qty:5000 LBS
 DOT Rpt Qty:5000 LBS

Ingred Name:HEXANE, 1,6-DIISOCYANATO-; (HDI ISOCYANATE) (CERCLA)
 CAS:822-06-0
 RTECS #:MO1740000
 Fraction by Wt: 2%
 OSHA PEL:N/K
 ACGIH TLV:0.005 PPM
 EPA Rpt Qty:1 LB
 DOT Rpt Qty:1 LB

Ingred Name:SUP DAT: ABSORB AND PASS THROUGH HAZARDOUS MATERIALS. CHECK
 SHOES CAREFULLY AFTER SOAKING BEFORE REUSE.
 RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENT 2.
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:ACUTE: INHAL: CONTAINS HDI
 POLYISOCYANATE WHICH MAY CAUSE ALLERGIC RESP RXN, EFTS MAY BE PERM.
 HARMFUL IF INHALED, MAY AFFECT BRAIN/CNS, CAUSING DIZZ, HDCH/NAUS.
 MAY CAUSE NOSE & THROAT IRRIT. MAY CAUSE LUNG IRRIT. EYES: MAY
 CAUSE IRRIT. SKIN: MAY CAUSE IRRIT & ALLERGIC RXN. NOTICE: REPORTS
 HAVE ASSOC (EFTS OF OVEREXP)
 Explanation of Carcinogenicity:NOT RELEVANT.
 Effects of Overexposure:HLTH HAZ: RPTD & PRLNG OCCUP OVEREXP TO SOLV
 W/PERM BRAIN & CNS DMG.
 Medical Cond Aggravated by Exposure:IF SENSITIZED TO ISOCYANATES OR
 OTHER CHEMICAL DO NOT USE. SEE MD IF A MEDICAL CONDITION EXISTS.

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

First Aid:WHEN EXPOSED ALWAYS GET MEDICAL ATTENTION. EYES: FLUSH WITH
 WATER FOR AT LEAST 15 MINUTES. SKIN: WASH WITH SOAP AND WATER.
 REMOVE CONTAMINATED CLOTHING AND CLEAN BEFORE REUSE. INHALATION:
 REMOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. USE
 ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
 INGESTION: DO NOT INDUCE VOMITING! ALWAYS GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:SCC
 Flash Point:106F,41C
 Lower Limits:0.9%
 Upper Limits:7.6%
 Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE, WATER FOG.
 Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP
 . EVACUATE HAZ AREA OF UNPROTECTED PERSONNEL. COOL SURROUNDING
 CONTAINERS W/WATER IN CASE OF FIRE EXPOSURE.
 Unusual Fire/Explosion Hazard:VAPS HVR/AIR & WILL ACCUMULATE. VAPS WILL
 FORM EXPLO CONCS W/AIR. VAPS TRAVEL LONG DIST & WILL FLASHBACK. USE
 CHEM VENT WHEN NEC TO KEEP PERCENT VAP BELOW LEL.

===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE ALL IGNIT SOURCES. HNDLG EQUIP MUST

BE GROUNDED TO PREVENT SPARKING. EVACUATE AREA OF UNPROT PERS. WEAR APPROP PERS PROT CLTHG & EQUIP. FOLLOW SAFE HNDLG & USE GUIDELINES IN HNDLG/STOR SECTI ON. CONTAIN & SOAK UP RESIDUAL W/ABSORB(SUP DAT)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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 Handling and Storage
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Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, & STRONG OXIDIZING AGENTS. KEEP CONTRS CLSD. STORE IN COOL, DRY PLACE W/ADEQ VENT.

Other Precautions:IF POURING/TRANSFERRING MATL, GROUND ALL CONTRS & TOOLS. DO NOT WELD, HEAT, CUT/DRILL ON FULL/EMPTY CONTRS.

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 Exposure Controls/Personal Protection
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Respiratory Protection:USE ONLY W/ADEQUATE VENTILATION TO KEEP LEVELS BELOW EXPOSURE GUIDELINES. USE SHOULD TEST & MONITOR EXPOSURE LEVELS TO INSURE ALL PERSONNEL ARE BELOW GUIDELINES. IF NOT SURE/IF NOT ABLE TO MONITOR USE NIOSH/MSHA APPROVED AIR-PURIFYING RESP.

Ventilation:USE EXPLOSION-PROOF VENTILATION WHEN REQUIRED TO KEEP BELOW HEALTH EXPOSURE GUIDELINES AND LOWER EXPLOSION LIMIT (LEL).

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS .

Other Protective Equipment:EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA . WEAR IMPERVIOUS CLOTHING.

Work Hygienic Practices:IF MATL PENETRATES TO SKIN, CHANGE GLOVES & CLTHG. WASH W/SOAP & WATER BEFORE EATING, DRINKING, APPLYING (SUP DAT)

Supplemental Safety and Health

HAZ DECOMP PROD: VERY HAZ. WELDING, CUTTING/ABRASIVE GRINDING CAN CREATE SMOKE & FUMES. DO NOT BREATHE. SPILL PROC: (CLAY/SAND). TAKE UP ABSORB MATL & SEAL TIGHTLY FOR PROPER DISP. HYGIENE PRACT: COSM ETICS/USING TOILET FACILITIES. USE OF HAND CLEANER REC. LAUNDRER CONTAM CLTHG BEFORE REUSE. LEATHER SHOES CAN (ING 5)

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 Physical/Chemical Properties
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Boiling Pt:B.P. Text:>259F,>126C

Vapor Density:HVR/AIR

Spec Gravity:1.12

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume:13

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 Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEAT, SPARKS, AND OPEN FLAMES.

Hazardous Decomposition Products:CARBON MONOXIDE, NITROGEN OXIDES, & UNIDENTIFIED ORG CMPDS. CONSIDER ALL SMOKE & FUMES FROM BURNING MATL AS (SUP DAT)

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 Disposal Considerations
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. REFER TO INGREDIENTS SECTION FOR SARA TITLE III AND CERCLA INFORMATION.

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