

X-310A, POLYURETHANE CATALYST

MSDS Number

CKVQB

National Stock Number

5970-01-268-2446

Product Name

X-310A, POLYURETHANE CATALYST

Manufacturer

THE DEXTER CORP

Product Identification

Product ID:X-310A, POLYURETHANE CATALYST

MSDS Date:10/11/2000

FSC:5970

NIIN:01-268-2446

Status Code:A

Kit Part:Y

MSDS Number: CKVQB

Responsible Party

THE DEXTER CORPORATION

1 EAST WATER STREET

WAUKEGAN , IL 60085

US

Emergency Phone: 847-623-4200

Info Phone: 847-623-4200

Preparer: VDWAU

Cage: UO073

Contractor

THE DEXTER CORPORATION

WAUKEGAN, IL 60085

US

847-623-4200

Cage: UO073

Ingredients

HEXAMETHYLENE DIISOCYANATE

CAS: 822-06-0

RTECS: MO1740000

ACGIH TLV: 0.034 MG/M3; .005 PPM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

(HOMOPOLYMER) HEXAMETHYLENE DIISOCYANATE

CAS: 28182-81-2

RTECS: NQ9170000

BUTYL ACETATE

CAS: 123-86-4

RTECS: AF7350000

OSHA PEL710 MG/M3;150 PPM

ACGIH TLV: 713 MG/M3;150 PPM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

XYLENE

CAS: 1330-20-7

RTECS: ZE2100000

OSHA PELTWA 100 PPM

ACGIH TLV: 434 MG/M3;100 PPM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: OVER EXPOSURE BY INHALATION MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, DIZZINESS, OR DROWSINESS. SKIN OR EYE CONTACT: IRRITANT TO THE EYES AND SKIN, AND SKIN SENSITIVITY. CHRONIC: THESE HAZARDOUS MATERIALS LISTED IN THIS MSDS MAY AFFECT THE FOLLOWING ORGANS: RESPIRATORY TRACT.

ALLERGIC RESPIRATORY/SKIN REACTION: CENTRAL NERVOUS SYSTEM, KIDNEYS, LIVER, CARDIAC SENSITIZATION.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NATIONAL TOXICOLOGY PROGRAM ANNUAL REPORT ON CARCINOGENS, INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR OSHA AS POTENTIAL OR KNOWN CARCINOGENS.

Effects of Overexposure:INHALATION: IRRITATION OF RESPIRATORY TRACT, HEADACHE, DIZZINESS, DROWSINESS. SKIN OR EYE CONTACT: IRRITATION OF SKIN AND EYES, SKIN SENSITIVITY.

Medical Cond Aggravated by Exposure:UNKNOWN AT THIS TIME.

First Aid

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF NEEDED CONSULT PHYSICIAN. EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN, IF NECESSARY. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. CONSULT PHYSICIAN IF NECESSARY. INGESTION. DRINK WATER. CONSULT A PHYSICIAN IF NECESSARY.

Fire Fighting

Flash Point Method:SCC

Flash Point:=32.8C, 91.F

Lower Limits:1.10

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

Fire Fighting Procedures:NONE PROVIDED BY MFR.

Unusual Fire/Explosion Hazard:NONE PROVIDED BY MFR.

Accidental Release

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION, AVOID BREATHING VAPORS, VENTILATE AREA, AND REMOVE SPILL WITH INERT ABSORBANT AND NON-SPARKING TOOLS.

Neutralizing Agent:NONE PROVIDED BY MFR.

Handling

Handling and Storage Precautions:STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN WELL-VENTILATED AREA.
Other Precautions:HANDLING: DO NOT TAKE INTERNALLY. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUID IN EXCESS OF FEW INCHES. MAKE SURE DRUM IS COMPLETELY EMPTY BEFORE ATTEMPTING TO WELD OR BRAZE. DO NOT FLAME CUT, BRAZE, WELD WITHOUT A NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

Exposure Controls

Respiratory Protection:WHERE GENERAL DILUTION OR LOCAL EXHAUST FAILS TO ADEQUATELY DILUTE THE TWA/PEL OF THE MATERIAL, THEN RESPIRATORY PROTECTION SHOULD BE USED AS FOLLOWS: DO NOT BREATHE VAPOR OR SPRAY MIST. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR APPROVED BY NIOSH/OSHA WHEN EXPOSED. AN AIR LINE RESPIRATOR (TC19C NIOSH/MSHA) IS RECOMMENDED.
Ventilation:PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION TO KEEP TWA AND LEL BELOW ACCEPTABLE LIMITS AND TO REMOVE DECOMPOSITION PRODUCTS.
Protective Gloves:CHEMICAL RESISTANT GLOVES ARE REQUIRED FOR PROLONGED OR REPEATED CONTACT.
Eye Protection:USE SAFETY EYEWARE DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.
Other Protective Equipment:NONE PROVIDED BY MFR.
Work Hygienic Practices:NONE PROVIDED BY MFR.
Supplemental Safety and Health
THIS ENTRY (MFN 1, SERIAL NUMBER CKVQB)) DESCRIBES ONE PART (POLYURETHANE CATALYST) OF A TWO PART KIT. SEE THIS SAME NSN (MFN 1, SERIAL NUMBER CKVQH, POLYURETHANE TOPCOAT-CLEAR) FOR DESCRIPTION OF SECOND PART OF KIT.

Chemical Properties

HCC:F2
Boiling Pt:=93.3C, 200.F
B.P. Text:200 TO 382 DEG F
Vapor Pres:C/CE. PLEASE FILL OUT THI
Vapor Density:> AIR
Spec Gravity:1.06 (8.85 LBS/GALLON)
pH:NONE PROVIDED
VOC Grams/Liter:2.2
Viscosity:NONE PROVIDED BY MFR.
Evaporation Rate & Reference:NONE PROVIDED BY MFR.
Solubility in Water:NONE PROVIDED BY MFR.
Appearance and Odor:NONE PROVIDED BY MFR.

Stability

Stability Indicator/Materials to Avoid:YES
NONE PROVIDED BY MFR.
Stability Condition to Avoid:NONE PROVIDED BY MFR.
Hazardous Decomposition Products:FUMES MAY CONTAIN CARBON MONOXIDE AND OXIDES OF NITROGEN. MAY PRODUCE HAZARDOUS FUMES WHEN HEATED TO DECOMPOSITION AS IN WELDING.

Disposal

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

Toxicology

Toxicological Information:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY ONE OF THE FOLLOWING TESTING BODIES: TOXICOLOGY PROGRAM ANNUAL REPORT ON CARCINOGENS, INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR OSHA AS POTENTIAL OR KNOWN CARCINOGENS.

Other Information

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

Ecology

Ecological:CLEAN AIR ACT 1990.: HEXAMETHYLENE DIISOCYANATE CAS # 822-06-0, % BY WT =2% AND XYLENE, CAS # 1330-20-7, % BY WT =13 % ARE LISTED BY CLEAN AIR ACT 1990 AS HAZARDOUS AIR POLLUTANTS..

Transport

Transport Information:DOT PROPER SHIPPING NAME: PAINT, HAZARD CLASS: FLAMMABLE LIQUID, UN 1263. DOT REPORTABLE QUANTITY, 5000 GALLONS OR GREATER OF PRODUCT: HEXAMETHYLENE DIISOCYANATE. 5000 GALLONS OR GREATER OF PRODUCT: B UTYL ACETATE. 5000 GALLONS OR GREATER OF PRODUCT: XYLENE.

Regulatory

SARA Title III Information:SARA 313: HEXAMETHYLENE DIISOCYANATE, CAS # 822-06-0, % BY WT. =2% AND XYLENE, CAS # 1330-20-7, % BY WT. = 13 % ARE LISTED AS TOXIC CHEMICALS, SECTION 313.

Federal Regulatory Information:TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

State Regulatory Information:IN COMPLIANCE WITH THE NEW JERSEY RIGHT-TO-KNOW LAW INGREDIENTS: HEXAMETHYLENE DIISOCYANNATE, CAS # 822-06-0, (HOMOPOLYMER) HEXAMETHYLENE DIISOCYANATE, CAS # 18182-81-2, BUTYL ACETATE, CAS # 123-86-4, XYLENE, CAS # 1330-20-7 COMPOSITION IS PARTIALLY UNKNOWN.