

DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV. -- HYSOL PC 18 M,P 00011 --  
5970-01-013-8611

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

Product ID:HYSOL PC 18 M,P 00011

MSDS Date:04/17/1997

FSC:5970

NIIN:01-013-8611

MSDS Number: CFCTP

=== Responsible Party ===

Company Name:DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV.

Address:211 FRANKLIN ST.

City:OLEAN

State:NY

ZIP:14760-1297

Country:US

Info Phone Num:

716-372-6300

Emergency Phone Num:716-372-6309/800-424-9300(CHEMTREC)

CAGE:04347

=== Contractor Identification ===

Company Name:DEXTER CORP DEXTER ELECTRONIC MATERIALS DIV

Address:15051 E DON JULIAN RD

Box:City:LA PUENTE

State:CA

ZIP:91746

Country:US

Phone:818-968-6511

CAGE:12405

Company Name:DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV

Address:211 FRANKLIN ST.

Box:City:OLEAN

State:NY

ZIP:14760-1297

Country:US

Phone:716-372-6300/6309

CAGE:04347

Company Name:MCKEOWN ROBERT CO. INC.

Address:111 C

HAMBERS BROOK RD.  
Box:City:SOMERVILLE  
State:NJ  
ZIP:08876  
Country:US  
Phone:908-218-9000  
CAGE:7B953  
Company Name:SIGMA TECH ENTERPRISES INC  
Address:90 GLEN WAY SUITE 16  
Box:City:SAN CARLOS  
State:CA  
ZIP:94070  
Country:US  
Phone:415-591-2510  
CAGE:04KF9

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

Ingred Name:URETHANE PREPOLYMER  
Fraction by Wt: 30 - 60%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.005 PPM TDI  
ACGIH TLV:0.005 PPM TDI

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETH  
ER ACETATE  
CAS:108-65-6  
RTECS #:AI8295000  
Fraction by Wt: 10 - 30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 10 - 30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/150STEL;9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA 313)  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 1 - 5%  
Other REC Lim

its:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/125STEL;9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA 313) (CERCLA)/BENZENE, METHYL  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENEDIISOCYANATE (MIXED ISOMERS) (SARA 313) (CERCLA)  
CAS:26471-62-5  
RTECS #:NQ9490000  
Fraction by Wt: 1.0%  
Other REC Limits:NONE RECOMMENDED  
  
ACGIH TLV:0.005PPM/0.02STEL;96  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:TLV FOR XYLENE IS 100 PPM.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LIVER,  
KIDNEY, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE & SKIN  
IRRITATION. HARMFUL IF INHALED/INGESTED/ABSORBED THROUGH SKI  
N.  
INHALATION MAY CAUSE ALLERGIC REACTION (ASTHMA), CNS EFFECTS. MAY  
CAUSE VOMITING. ASPIRATION HAZARD. CHRONIC- MAY CAUSE LIVER,  
KIDNEY, EYE EFFECTS, DERMATITIS.  
Explanation of Carcinogenicity:CONTAINS TOLUENE DIISOCYANATE.  
Effects of Overexposure:IRRITATION, TEARING, REDNESS AND STINGING OF  
EYES, BURNING, DRYING AND CRACKING OF SKIN, NAUSEA, VOMITING,  
DIARRHEA, DIZZINESS, HEADACHE, DROWSINESS, WEAKNESS, FATIGUE,  
UNCONSCIOUSNESS, ALLERGIC RESPI RATORY REACTION (ASTHMA)

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, LIVER, KIDNEY, CNS OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 10 MINUTES, HOLDING EYELIDS OPEN. CALL PHYSICIAN. SKIN: FLUSH WITH WATER, THEN WASH WITH SOAP & WATER. ORAL: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method: CC  
Flash Point: 89.0F, 31.7C  
Extinguishing Media: USE DRY CHEMICAL, CARBON DIOXIDE, WATER FOG, FOAM. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard: VAPORS ARE HEAVIER THAN AIR MAY TRAVEL TO IGNITION SOURCE & "FLASH BACK". VAPOR MAY EXPLODE IF IGNITED IN AN ENCLOSED AREA. CONTAINERS MAY EXPLODE DUE TO FIRE.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.  
Neutralizing Agent: NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions: STORE IN COOL (BELOW 25C/77F), VENTILATED AREA, AWAY FROM SOURCES OF IGNITION AND DIRECT SUNLIGHT.  
Other Precautions: AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRY BEFORE

REUSE. KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPORS AND MISTS. WEAR SUPPLIED-AIR RESPIRATOR PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.  
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:PVC, RUBBER  
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.  
Supplemental Safety and Health  
FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A, B, C OR D, SAME NSN.

===== Physical/Chemical Properties =====

HCC:F3  
NRC/State Lic Num:NOT RELEVANT  
Melt  
/Freeze Pt:M.P/F.P Text:NOT KNOWN  
Vapor Pres:9.5  
Vapor Density:3.7  
Spec Gravity:1.0  
VOC Grams/Liter:4.6  
Evaporation Rate & Reference:0.5 (REFERENCE=UNKNOWN)  
Solubility in Water:SOLUBLE  
Appearance and Odor:AMBER COLOR, MEDIUM VISCOSITY LIQUID WITH AROMATIC ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
Stability Condition to Avoid:HEAT, SPARKS, HOT SURFACES, STATIC ELECTRICITY, OPEN FLAMES AND OTHER SOURCES OF IGNI

TION

Hazardous Decomposition Products:SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, POSSIBLE ORGANICS, OXIDES OF NITROGEN

Conditions to Avoid Polymerization:EXOTHERMIC

===== Disposal Considerations =====

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. RECYCLING, REUSE, BURNING FOR ENERGY RECOVERY OR INCINERATION IS RECOMMEND ED.

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