

THE DEXTER CORP. DEXTER ELECTRONIC MATERIALS DIV. -- HYSOL PC18M; PRODUCT
CODE:P00011 -- 5970-01-021-2622

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

Product ID:HYSOL PC18M; PRODUCT CODE:P00011

MSDS Date:10/11/1991

FSC:5970

NIIN:01-021-2622

MSDS Number: BJRQK

=== Responsible Party ===

Company Name:THE DEXTER CORP. DEXTER ELECTRONIC MATERIALS 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

Preparer's Name:JAMES P. HORNBURG

CAGE:DO846

=== Contractor Identification ===

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 CHAMBERS BROOK RD.

Box:City:SOMERVILLE

State:NJ

ZIP:08876

Country:US

Phone:908-218-9000

CAGE:7B953

Company Name:THE DEXTER CORP.

WATER MANAGEMENT SYSTEMS DIVISION

Box:200
City:CHAGRIN FALLS
State:OH
ZIP:44022
Country:US
Phone:216-247-5000
CAGE:DO846

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Composition/Information on Ingredients
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Ingred Name:URETHANE PREPOLYMER
Fraction by Wt: 30-60%
Other REC Limits:**** SEE TDI *****

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE; 2-PROPANOL
1-METHYOXY ACETATE
CAS:108-65-6
RTECS #:AI8925000
Fraction by Wt: 10-30%
OSHA PEL:NOT ESTABLISHEDNOT

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA
III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 15.2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III)
CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125STEL 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixtu

re:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:SHORT TERM LIQUID OR VAPOR

CONTACT MAY CAUSE SLIGHT IRRITATION TO EYES,SKIN AND RESPIRATORY TRACT. CHRONIC:PROLONGED AND/OR REPEATED CONTACT MAY CAUSE SEVERE IRRITATION TO EYES, DEFATTING AND DR YING OF THE SKIN WHICH MAY RESULT IN DERMATITIS. BREATHING OF LIQUID INTO LUNGS MAY CAUSE CHEMICAL PN

EUMONITIS.

Explanation of Carcinogenicity:TOLUENE-2,4-DIISOCYANATE (TDI) IS LISTED BY NTP & IARC. NTP AS ANTICIPATED CARCINOGEN,IARC AS ANIMAL CARCINOGEN.

Effects of Overexposure:EYES:LIQUID/VAPOR CONTACT CAUSES IRRITATION.

SKIN:MAY CAUSE SLIGHT IRRITATION.PROLONGED CONTACT MAY CAUSE MILD DERMATITIS. INGESTION:MAY CAUSE NAUSEA, VOMITING, AND DIARRHEA.

INHALATION:CAUSES IRRITAT ION TO RESPIRATORY TRACT. ALSO CAUSES DIZZINESS, NAUSEA,AND FATIGUE, AND CAN LEAD TO CNS DEPRESS

ION AND

UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN OR RESPIRATORY SYSTEM AILMENT OR DISORDER MAY BE MORE SUSCEPTIBLE TO EFFECTS OF THIS PRODUCT. THESE PERSONS SHOULD BE CAUTIONED WHEN HANDLING OR USING THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH WATER 15 MIN. SKIN:WIPE EXCESS. WASH WITH SOAP & WATER,THEN ISOPROPANOL. IF INTENSE REACTION OCCURS OR IRRITATION PERSISTS AFTER FLU

SHING/WASHING OF EYES OR SKIN, GET

MEDICAL CARE. IN HALATION: REMOVE FROM EXPOSURE. IF SEVERE OR ASTHMA REACTION,GET PROMPT MEDICAL CARE. INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS, AVOID ASPIRATION TO LUNGS.

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

Flash Point Method:TCC

Flash Point:81F/27C

Lower Limits:1.0

Upper Limits:7.0

Extinguishing Media:DRY CHEMICAL,CARBON DIOXIDE,FOAM (WATER MAY BE INEFFECTIVE)

Fire Fighting Procedures:FIGHT AS FLAMMABLE LIQUID. COOL FIRE EXPOSED CONTAINERS WITH WATER. WEAR SELF CONTAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST/EXPLODE IN HEAT OF FIRE.

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

Spill Release Procedures:SMALL SPILL:ABSORB ON PAPER,VERMICULITE OR ABSORBENT & PLACE IN A CONTAINER; LARGE SPILL (>1 QT): REMOVE IGNITION SOURCES.EXCLUDE UNPROTECTED PERSONS FROM SPILL AREA. DIKE A REA OF SPILL. ABSORB WITH A BSORBENT AND SHOVEL TO A DOT CONTAINER FOR DISPOSAL
Neutralizing Agent:NONE. HMIS:SOLVENT IS ISOPROPANOL.

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

Handling and Storage Precautions:THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT SHOULD BE MADE BY THE MATERIAL USER BASED ON THE PARTICULAR CONDITIONS WHERE THE MATERIAL IS TO BE USED
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:USE NIOSH RESPIRATOR FOR ORGANIC VAPORS OR SUPPLIED A MASK.
Ventilation:USE MECHANICAL VENTILATION AND LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV/PEL.
Protective Gloves:RUBBER.
Eye Protection:GOGGLES OR FULL FACE SHIELD.
Other Protective Equipment:RUBBER APRON.

Work Hygienic Practices:USE VERY STRICT CHEMICAL HYGIENE PRACTICE. AVOID CONTACT IF AT ALL POSSIBLE.

Supplemental Safety and Health

PRODUCT CONTAINS SOME UNREACTED TOULENE DIISOCYANATE (TDI),THE MOST HAZARDOUS INGREDIENT. MANUFACTURER DOES NOT GIVE ANY INDICATION IN THE MSDS ABOUT THE PRESENCE AND PERCENT OF TDI. BUT MSDS DOES STATE THE PEL OF TDI. THE TDI MAY BE LESS THAN 0.1% IN URETHANE PREPOLMER. IT IS A GUESS.

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

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HCC:F3

Boiling Pt:B.P. Text:281F,138C

Vapor Pres:9.5

Spec Gravity:1.02

Evaporation Rate & Reference:0.54 (BUAC)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT AMBER,MEDIUM VISCOSITY LIQUID,AROMATIC ESTER
SOLVENT ODOR.

Percent Volatiles by Volume:58

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS.

Stability Condition to Avoid:HEAT,IGNITION SOURCES.

Hazardous Decomposition Products:CA

RBON DIOXIDE, CARBON MONOXIDE,
POSSIBLE NITROGEN OXIDES

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

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

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