

DEXTER ELECTRONIC MATERIALS DIVISION -- HYSOL PC18M -- 5970-01-223-0782

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

Product ID:HYSOL PC18M

MSDS Date:08/23/1995

FSC:5970

NIIN:01-223-0782

MSDS Number: BYDDN

=== Responsible Party ===

Company Name:DEXTER ELECTRONIC MATERIALS DIVISION

Address:211 FRANKLIN STREET

City:OLEAN

State:NY

ZIP:14760-1297

Country:US

Info Phone Num:716-372-6300

Emergency Phone Num:716-37

2-6309/202-483-7616

CAGE:04347

=== 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

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

Ingred Name:PROPYLENEGLYCOL MONOMETHYL ETHER A

CETATE
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 III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10-30% %
Other REC Limits:NONE RECOMMENDED
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 Limit
s:NONE RECOMMENDED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125STEL 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE-2,4-DIISOCYANATE (TDI) (SARA III)
CAS:584-84-9
RTECS #:CZ6300000
Fraction by Wt: 1.868%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.005PPM/.02 STEL
ACGIH TLV:0.005PPM/0.02STEL;92
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:POLYMERS WITH 1,3-BUTANEDIOL CAS # 9038-90-8
Fraction by Wt: 30-60% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE-

2,6-DIISOCYANATE (SARA III)
CAS:91-08-7
RTECS #:CZ6310000
Fraction by Wt: 0.138% %
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:MAY CAUSE EYE IRRITATION. PROLONGED OR
REPEATED SKIN CONTACT MAY CAUS
E IRRITATION. HARMFUL IF INHALED; MAY
CAUSE ALLERGIC REACTION SUCH AS ASTHMA. MODERATELY TOXIC BY
INGESTION; MAY CAUSE VOMITING.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS BENZENE
1,3-DIISOCYANATE-1-ME AND BENZENE 2,4-DIISOCYANATE-1-ME BOTH GROUP
2-NTP & GROUP 2B-IARC.
Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, ASTHMA,
ALLERGIC RESPIRATORY REACTION, VOMITING.
Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND EYE DISORDERS
MAY BE AGGRAVATED
BY EXPOSURE. PREEXISTING SKIN OR LUNG ALLERGIES
MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGIC SYMPTOMS
FROM EXPOSURE TO PRODUCT.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
M
EDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF OCCURS,
KEEP HEAD BELOW HIPS. GET MEDICAL ATTENTION.

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

Flash Point Method:CC
Flash Point:89.0F,31.7C
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND
CONTAINERS EXPOSED TO F

IRE WITH WATER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:CONTAIN SPILL IN NATURAL FORM OR WITH SAND OR DIRT (INERT MATERIAL). ELIMINATE ALL IGNITION SOURCES. PREVENT RUNOFF INTO STORM SEWERS, DITCHES AND WATERWAYS. SHOVEL OR SCRAPE (NON-METALLIC) ABSORBED M ATERIAL INTO DISPOSAL CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handli
ng and Storage =====

Handling and Storage Precautions:STORE AT LESS THAN 25C (77F) FOR OPTIMUM SHELF LIFE. STORE IN DRY ATMOSPHERIC CONDITIONS. KEEP CONTAINERS CLOSED AND TIGHTLY SEALED.

Other Precautions:PLASTIC CONTAINERS MAY BE SLIPPERY WHEN HANDLING.

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

Respiratory Protection:NO RESPIRATOR IS REQUIRED IF INGREDIENT EXPOSURES ARE NOT EXCEEDED. AN OSHA APPROVED (29 CFR 1910.134), SIR-PURIFYING RESPIRATOR WITH APPROPRIATE CARTRIDGE SHOULD BE USED IF EXPOSURE LIMITS ARE EXCEED ED.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves:PVC, RUBBER, LATEX, NITIRILE, BUTYL

Eye Protection:CHEMICAL GOGGLES, SAFETY GLASSES W/SIDES

Other Protective Equipment:AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.DO NOT EXPOSE TO DIRECT SUNLIGHT. ONCE A CONTAINER IS OPEN, USE NITROGEN BLANKET ON MATERIAL AND RESEAL.

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

HCC:F3

Vapor Pres:9.5

Vapor Density:3.7

Spec Gravity:1.0

Evaporation Rate & Reference:0.5 (NO REFERENCE GIVEN)

Solubility in Water:SOLUBLE

Appearance and Odor:MEDIUM VISCOSITY LIQUID, AMBER COLOR, AROMATIC ODOR

Percent Volatiles by Volume:53 %

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES

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

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENV

IRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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