

DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV. -- PC28-STD (PO0004) --  
5970-00-005-3340

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

Product ID:PC28-STD (PO0004)

MSDS Date:02/12/1989

FSC:5970

NIIN:00-005-3340

MSDS Number: BGWSY

=== 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

Preparer's Name:JAMES P. HORNBURG

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 =====

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Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)  
CAS:75-71-8  
RTECS #:PA8200000  
Fraction by Wt: 60-100%\*  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS  
Ozone Depleting Chemical:1

Ingred Name:ETHYL CHLORIDE (SARA III)  
CAS:75-00-3  
RTECS #:KH7525000  
Fraction by Wt: 15-35%\*  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:PROPANE  
CAS:74-98-6  
RTECS #:TX2275000  
Fraction by Wt: 1-15%\*  
OSHA PEL:1000 PPM  
ACGIH TLV  
:ASPHYXIAN; 9192

Ingred Name:URETHANE PREPOLYMER (UNIDENTIFIED)  
Fraction by Wt: 70%  
Other REC Limits:100 PPM

Ingred Name:ETHYL BENZENE (SARA III)  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 5-10%  
OSHA PEL:100 PPM/125 STEL  
ACGIH TLV:100 PPM/125STEL 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acut

e and Chronic:PRODUCT IS IRRITATING TO BODY TISSUES.  
HMIS:PRODUCT MAY CONTAIN TRACES OF UNREACTED TOLUENE DIISOCYANATE  
(NOT MENTIONED BY MFR).  
Explanation of Carcinogenicity:MFR INDICATES PRODUCT CONTIAN NO  
CARCINOGENS.  
Effects of Overexposure:EYE:IRRITATION BY VAPORS,SEVERE IRRITATION BY  
LIQUID. SKIN:IRRITATION,DEFATTING.  
INHALED:HEADACHE,DIZZINESS,NAUSEA,DROWSINESS. INGESTED:G/I  
IRRITATION,NAUSEA.  
Medical Cond Aggravated by Exposure:NONE REPORTED.

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== First Aid Measures =====

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WITH SOAP & WATER.  
INHALED:REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR OXYGEN  
AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE LARGE QUANTITY OF  
MILK OR WATER.(NOTHING BY MOUTH IF UNCONSCIOUS.) GET IMMEDIATE  
MEDICAL ATTENTION. IF ANY IRRITATION PERSISTS OR IS SEVERE,GET  
PROMPT MEDICAL CARE. REMOVE CONTAMINED CLOTHING AND LAUNDRER BEFORE  
REUSE.

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

Flash Point Method:TCC  
Flash Point:81F/27C  
Lower Limits:1.0 SOLVENT  
Upper Limits:7.0 SOLVENT  
Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL,FOAM,(WATER MAY PROVE  
INEFFECTIVE).  
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS. FIGHT  
AS FLAMMABLE LIQUID FIRE. WATER MAY BE USED TO COOL CONTAINERS  
PREVENTING EXPLOSIONS.  
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures =====

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Spill Release Procedures:WIPE UP OR ABSORB WITH INERT MATERIAL. TAKE  
NOTE OF THE FLAMMABILITY TO ELIMINATE IGNITION SOURCES AND  
VENTILATE AREA AS NEEDED.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL VENTILATED  
AREA. KEEP AWAY FROM HEAT (ABOVE 120F) AND IGNITION SOURCES.

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

Respiratory Protection:USE NIOSH/MSHA APP

ROVED RESPIRATOR EQUIPPED WITH  
CARTRIDGE FOR ORGANIC VAPORS/MISTS OR SUPPLIED AIR RESPIRATOR IF  
EXPOSED ABOVE TLV/PEL.

Ventilation:USE NORMAL ROOM VENTILATION SUPPLEMENTED BY LOCAL EXHAUST  
AT THE SPRAY OPERATION TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves:RUBBER.

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES.

Other Protective Equipment:RUBBER APRON.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID ALL  
UNNECESSARY CONTACT. DO NOT BREATHE SPRAY MIST. D

O NOT WEAR CONTACT  
LENSE

Supplemental Safety and Health

MFR DOES NOT IDENTIFY THE SPECIFIC URETHANE PRE POLYMER,NOR DOES HE  
INDICATE THE QUANTITY OF THE PROPELLENT USED,ALTHOUGH HE DOES  
IDENTIFY THE PROPELLENT.

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

HCC:V3

Boiling Pt:B.P. Text:281-288F

Vapor Pres:9.5

Vapor Density:3.7

Spec Gravity:0.97

Evaporation Rate & Reference:0.54 BUAC

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT AMBER MEDIUM VISCO

SITY LIQUID,AROMATIC ESTER

SOLVENT ODOR.

Percent Volatiles by Volume:73

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:HEAT (ABOVE 120F),IGNITION SOURCES.

Hazardous Decomposition Products:NORMAL PRODUCTS OF COMBUSTION  
(CO,CO\*2,NO\*X)

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.

HMIS SUGGESTS I

NCINERATE.

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