

MSDS Safety Information

FSC: 5970  
NIIN: 00-090-9184  
MSDS Date: 05/29/1997  
MSDS Num: CJMHY  
Product ID: HYSOL PC18M  
MFN: 01  
Responsible Party  
Cage: 04347  
Name: DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV.  
Address: 211 FRANKLIN ST.  
City: OLEAN NY 14760-1297  
Info Phone Number: 716-372-6300/6309  
Emergency Ph  
one Number: 716-372-6300  
Resp. Party Other MSDS No.: PO0011

Item Description Information

Item Manager: S9G  
Item Name: INSULATING VARNISH,ELECTRICAL  
Specification Number: MIL-I-46058  
Type/Grade/Class: UR  
Unit of Issue: GL  
UI Container Qty: 1  
Type of Container: UNKNOWN

Ingredients

Name: \*\*\* PROPRIETARY \*\*\*

Health Hazards Data

Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: NO  
Carcinogenicity Inds - NTP: YES  
IARC: YES  
OSHA: NO  
Effects of Exposure: TARGET ORGANS: EYES, SKIN, RESPIRATORY TRACT. EYE CONTACT:  
MAY CAUSE EYE IRRITATION. SKIN CONTACT: PROLONGED OR REPEATED SKIN CONTACT  
MAY CAUSE IRRITATION. CONTACT WI

THIS PRODUCT AT ELEVATED TEMPERATURES (>150C) CAN RESULT IN THERMAL BURNS. INHALATION: HARMFUL IF INHALED, MAY CAUSE ALLERGIC RESPIRATORY REACTION SUCH AS ASTHMA. INGESTION: MODERATELY TOXIC, MAY CAUSE VOMITING.

Explanation Of Carcinogenicity: IARC GROUP 2B COMPONENTS: BENZENE, 2,4-DIISOCYANATE-1ME, BENZENE,1,3-DIISOCYANATE-2-ME. NONE LISTED BY OSHA. NTP GROUP 2: BENZENE, 2,4-DIISOCYANATE-1ME. EU CATEGORY I COMPONENT: BENZENE, 2,4-DIISOCYANATE-1-ME, BENZENE,1,3-DIISOCYANATE-2-ME.

Signs And Symptoms Of Overexposure: MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES (>150C) CAN RESULT IN THERMAL BURNS. HARMFUL IF INHALED, MAY CAUSE ALLERGIC RESPIRATORY REACTION SUCH AS ASTHMA. MODERATELY TOXIC BY INGESTION. MAY CAUSE VOMITING.

Medical Condition Aggravated By Exposure: PREEXISTING SKIN AND EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. PRE-EXISTING SKIN OR LUNG ALLERGIES

MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGIC SYMPTOMS TO THIS PRODUCT.

First Aid: EYE CONTACT: IMMEDIATELY WASH/FLUSH EYES WITH WATER FOR MINIMUM 10 MINUTES. SEEK MEDICAL ATTENTION. SKIN CONTACT: WASH OFF IN FLOWING WATER OR SHOWER. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION, IF IRRITATION DEVELOPS. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL ATTENTION. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK

PROMPT MEDICAL ATTENTION. NOTE TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITIONS. THERE ARE NO SPECIFIC ANTIDOTES.

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#### Handling and Disposal

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Spill Release Procedures: CLEAN-UP: CONTAIN SPILL IN NATURAL FORM OR WITH SAND OR DIRT. ELIMINATE ALL IGNITION SOURCES. PREVENT RUNOFF TO STORM SEWERS,

DITCHES AND WATERWAYS. SHOVEL OR SCRAPE (NON-METALLIC) ABSORBED WASTE MATERIAL INTO DISPOSAL CONTAINER. SEAL LID TIGHTLY WITH TAPE OR LOCKING RING & LABEL PROPERLY. CLEAN UP SPILL IMMEDIATELY. OBSERVE PRECAUTIONS INCLUDING VENTILATION AND/ OR PERSONAL PROTECTIVE EQUIPMENT.

Waste Disposal Methods: IT IS RECOMMENDED THAT ALL WASTES FROM USE OF THIS MATERIAL BE: FIRST, REUSED OR REINTRODUCED INTO THE PROCESS; SECOND RECLAIMED, REGENERATED OR RECYCLED; THIRD, IF REUSE OR REC

YCLING NOT

POSSIBLE, BURNED FOR ENERGY RECOVERY OR INCINERATED AS PREFERRED MEANS OF DISPOSAL; FOURTH, TO RENDER INERT BEFORE DISPOSAL.

Handling And Storage Precautions: STORE AT LESS THAN TWENTY FIVE DEGREE CENTIGRADE (<25C) (77F) FOR OPTIMUM SHELF LIFE. DRY ATMOSPHERIC CONDITIONS. KEEP CONTAINERS CLOSED AND TIGHTLY SEALED. PLASTIC CONTAINER MAY BE SLIPPERY WHEN HANDLING.

Other Precautions: DO NOT EXPOSE TO DIRECT SUNLIGHT. ONCE CONTAINER IS OPEN, USE NITROGEN BLANKET ON MATERIAL AND RESEAL.

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#### Fire and Explosion Hazard Information

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Flash Point Method: CC

Flash Point: =31.7C, 89.F

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

Fire Fighting Procedures: RECOMMENDED USE OF SELF CONTAINED BREATHING APPARATUS (SCBA).

Unusual Fire/Explosion Hazard: NO UNUSUAL FIRE OR EXPLOSION HAZARDS. HAZARDOUS PRODUCTS/COMBUSTION: CARBON DIOXIDE, CARBON MONOXIDE, POSSIBLE ORGANICS, OXIDES OF NITROGEN.

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#### Control Measures

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Respiratory Protection: NO RESPIRATOR IS REQUIRED IF INGREDIENT EXPOSURE LIMITS ARE NOT EXCEEDED. AN OSHA APPROVED (29CFR1910.134 USA DEPT OF LABOR), AIR-PURIFYING RESPIRATOR WITH APPROPRIATE CARTRIDGE SHOULD BE USED IF EXPOSURE LIMITS ARE EXCEEDED.

Ventilation: USE LOCAL EXHAUST VENTILATION NEAR THE SOURCE.

Protective Gloves: PVC,RUBBER(LATEX, NITRILE, BUTYL)

Eye Protection: SAFETY GLASSES WITH SIDE SHIELD OR GOGGLES

Other Protective Equipment: A SAFETY SHOWER AND EYE WASH STATION SHOULD BE WITHIN REASONABLE DISTANCE TO THE WORK AREA.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health: AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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#### Physical/Chemical Properties

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HCC: F3

Vapor Pressure: 9.5

Vapor Density: 3.7

Spec Gravity: 1.0

VOC Grams/Liter: 550

Evaporation Rate & Reference: 0.5 NO REFERENCE

Solubility in Water: SOLUBLE

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

Percent Volatiles by Volume: 53

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#### Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES; OPEN FLAMES.

Materials To Avoid: NONE IDENTIFIED.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE; POSSIBLE ORGANICS

Conditions To Avoid Polymerization: EXOTHERMIC.

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#### Toxicological Information

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Toxicological Information: TESTING HAS NOT BEEN PERFORMED. FOR DATA ON COMPONENTS, PLEASE PHONE 716-372-6300.

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#### Ecological Information

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Ecological: NO SPECIFIC STUDIES HAVE BEEN CONDUCTED. HOWEVER, UNCONTROLLED RELEASES OF CERTAIN CONSTITUENTS OF THIS MATERIAL TO SOIL, GROUNDWATER, OR SURFACE WATERS COULD ENTAIL ACUTE AND/OR CHRONIC ECOLOGICAL EFFECTS, DEPENDING ON THE QUANTITY & CONCENTRATION OF SUCH RELEASES. RELEASES OF

F VOLATILE COMPONENTS TO THE ATMOSPHERE ARE NOT BELIEVED TO ENTAIL SIGNIFICANT ECOLOGICAL CONSEQUENCES PROVIDED SUCH RELEASES ARE WITHIN THE EXPOSURE LEVELS. ACCORDINGLY, ALL APPROPRIATE MEASURES SHOULD BE TAKEN TO AVOID UNCONTROLLED RELEASES TO THE ENVIRONMENT, AND ANY SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY.

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#### MSDS Transport Information

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Transport Information:

DOT/IATA PROPER SHIPPING NAME: RESIN SOLUTION, FLAMMABLE. DOT/IATA PACKING GROUP: III. DOT/IATA HAZARD CLASS OR DIV: 3. DOT/IATA LABEL: FLAMMABLE LIQUID. DOT/IATA PLACARD: FLAMMABLE LIQUID. DOT/IATA U N NUMBER: UN1866. PRODUCT REPORTABLE QTY 9LBS): NOT REGULATED. ADR: FLAMMABLE LIQUID. IMO (IMDG): REGULATED - REFER TP PAGE 3379. SCHEDULE B: 3208.90.0000.

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#### Regulatory Information

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Sara Title III Information: COMPONENT URETHANE PREPOLYMER AND COMPONENT 2-PROPANOL, 1-METHOX ARE SUBJECT TO ENVIRONMENTAL LIST SARA SECTION 311/312. COMPONENTS BENZENE, DIMETHYL-BENZENE, ETHYL-, BENZENE, METHYL- ARE SUBJECT TO ENVIRONMENTAL LIST SECTION 302 AND CERCLA LISTS. SARA SECTION 311/312 AND SARA SECTION 313. COMPONENT BENZENE, 1,3 DIISOCY IS SUBJECT TO THE FOLLOWING ENVIRONMENTAL LIST: CERCLA HAZARDOUS SUBSTANCE PROP65-C CA PROP 65 CARCINOGEN 304 SEC 302 AND CERC

LA LISTS SARA SECT. 311/312 AND SARA  
SECT. 313

Federal Regulatory Information: RCRA STATUS THIS PRODUCT IS CLASSIFIED AS RCRA  
HAZARDOUS WASTE. OSHA STATUS THIS PRODUCT IS HAZARDOUS UNDER THE CRITERIA  
OF THE FEDERAL (USA) OSHA HAZARDOUS COMMUNICATION STANDARD 29 CFR 1910.1200.  
THERMAL PROCESSING AND DECOMPOSITION FUMES FROM THIS PRODUCT MAY BE  
HAZARDOUS.

State Regulatory Information: PROP65-T CA PROP 65 REPRODUCTIVE TOXIN: BENZENE,  
METHYL- PROP 65-C THIS PRODUCT CONTAINS THE F  
OLLOWING CHEMICAL KNOWN TO  
THE STATE OF CALIFORNIA TO CAUSE CANCER: BENZENE, 1,3 DIISOCY.

Other Information

Transportation Information

Responsible Party Cage: 04347

Trans ID NO: 148566

Product ID: HYSOL PC18M

MSDS Prepared Date: 04/17/1997

Review Date: 09/21/1999

MFN: 1

N

et Unit Weight: 8.3 LBS

Limited Quantity IND: Y

Multiple KIT Number: 0

Unit Of Issue: GL

Container QTY: 1

Type Of Container: UNKNOWN

Additional Data: LIMITED QUANTITIES ARE EXEMPT FROM LABELING AND PLACARDING;  
UNLESS OFFERED FOR TRANSPORTATION BY AIR , PACKED IN STRONG OUTER PACKAGINGS;  
AND GROSS WEIGHT &lt; 66 LBS/30 KG, 49CFR 173.150. PROPER SHIPPING NAME, UN  
ID NUMBER, HAZARD CLASS AND PACKING GROUP, PER MSDS.

Detail DOT Informatio

n

DOT PSN QS

DOT Proper Shipping Name: RESIN SOLUTION

DOT PSN Modifier: FLAMMABLE

Hazard Class: 3

UN ID Num: UN1866

DOT Packaging Group: III

Label: FLAMMABLE LIQUID

Special Provision: B1,B52,T7,T30

Packaging Exception: 150

Non Bulk Pack: 173

Bulk Pack: 242

Max Qty Pass: 60 L

Max Qty Cargo: 220 L

Vessel Stow Req: A

Detail IMO Information

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IMO PSN Code: NBJ  
IMO Proper Shipping Name: RESIN,SOLUTION  
IMO PSN Modifier: FLAMMABLE o  
IMDG Page Number: 3379  
UN Number: 1866  
UN Hazard Class: 3.3  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: 3-05  
MED First Aid Guide NUM: 310

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Detail IATA Information

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IATA PSN Code: VSA  
IATA UN ID Num: 1866  
IATA Proper Shipping Name: RESIN SOLUTION  
IATA PSN Modifier: ,FLAMMAB  
LE  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
UN Packing Group: III  
Packing Note Passenger: 309  
Max Quant Pass: 60L  
Max Quant Cargo: 220L  
Packaging Note Cargo: 310

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Detail AFI Information

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AFI PSN Code: VSA  
AFI Proper Shipping Name: RESIN SOLUTION  
AFI PSN Modifier: ,FLAMMABLE  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1866  
AFI Packing Group: III  
Special Provisions: P5  
Back Pack Reference:  
A7.3

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HAZCOM Label

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Product ID: HYSOL PC18M  
Cage: 04347  
Company Name: DEXTER CORP THE DEXTER ELECTRONIC MATERIAL DIV  
Street: 211 FRANKLIN ST.  
City: OLEAN NY  
Zipcode: 14760-1297  
Health Emergency Phone: 716-372-6300  
Label Required IND: Y  
Date Of Label Review: 06/01/2001  
Status Code: C  
Label Date: 04/17/1997  
Year Procured: 1999  
Origination  
Eye Protection IND: YES  
Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: EYES, SKIN, RESPIRATORY TRACT. EYE

CONTACT: MAY CAUSE EYE IRRITATION. SKIN CONTACT: PROLONGED OR REPEATED SKIN

CONTACT MAY CAUSE IRRITATION. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURE S (>150C) CAN RESULT IN THERMAL BURNS.

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