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## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TWO-PART SOLVENT POLYURETHANE SEALER  
PART "B"  
PRODUCT CLASS: ESTER SOLVENT EEP

HMIS CODES: H F R P  
2 3 1 G

### ===== SECTION I – PRODUCT IDENTIFICATION AND GENERAL INFORMATION =====

MANUFACTURER'S NAME: PREFERRED DECK SYSTEMS LLC  
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### ===== SECTION II – HAZARDOUS INGREDIENTS =====

	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Homopolymer of Hexamethylene Diisocyanate	28182-81-2	N/E	N/E
Methyl Amyl Ketone	110-43-0	N/E	N/E

### ===== SECTION III – PHYSICAL DATA =====

BOILING POINT:	350° F	SOLUBILITY IN WATER:	INSOLUBLE BUT REACTS SLOWLY
VAPOR PRESSURE:	2.14 mm Hg @ 20°C	EVAPORATION RATE:	N/A
VAPOR DENSITY:	HEAVIER THAN AIR	APPEARANCE:	PALE YELLOW CLEAR LIQUID
SPECIFIC GRAVITY:	0.98	ODOR:	PLEASANT, SWEET ODOR
PERCENT VOLATILES:	40		

### ===== SECTION IV – FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 122° F SETA Flash (ASTM D-3243)

FLAMMABLE LIMITS:

LEL: 1.3 @ 173°F

UEL: 13.1 @ 283°F

EXTINGUISHING MEDIA: FOAM, CO<sup>2</sup>, DRY CHEMICAL. DO NOT USE WATER.

HAZARDOUS COMBUSTION PRODUCTS:

OXIDES OF CARBON AND NITROGEN

SPECIAL FIRE FIGHTING PROCEDURES:

FIREFIGHTERS SHOULD WEAR FULL EMERGENCY EQUIPMENT WITH SELF-CONTAINED BREATHING APPARATUS. DURING FIRES IRRITATING TOXIC GASES AND SMOKE MAY BE PRESENT FROM DECOMPOSITION/ COMBUSTION PRODUCTS.

FIRE AND EXPLOSION HAZARDS:

PRODUCT WILL BURN UNDER FIRE CONDITIONS. TOXIC, CORROSIVE FUMES MAY BE EMITTED.

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### ===== SECTION V – REACTIVITY DATA =====

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**INCOMPATIBILITY:** WATER, STRONG BASES, STRONG ACIDS, STRONG OXIDIZING AGENTS AND AMINES.

### ===== SECTION VI – HEALTH HAZARD DATA =====

**PRIMARY ROUTE OF ENTRY:** INHALATION, DERMAL, EYE CONTACT.

**SKIN CONTACT:** ISOCYANATES REACT WITH SKIN PROTEIN AND MOISTURE AND CAN CAUSE IRRITATION. SYMPTOMS INCLUDE REDDENING, SWELLING, RASH, SCALING AND BLISTERING. CURED MATERIAL IS DIFFICULT TO REMOVE.

**INHALATION:** INHALATION OF MIST CAN IRRITATE THE MUCOUS MEMBRANE IN THE RESPIRATORY TRACT CAUSING RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT AND SHORTNESS OF BREATH. ACUTE EXPOSURE MAY LEAD TO BRONCHITIS, BRONCHIAL SPASM OR PULMONARY EDEMA. THESE EFFECTS ARE USUALLY REVERSIBLE.

**INGESTION:** CAN RESULT IN IRRITATION AND POSSIBLY CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND DIGESTIVE TRACT.

**CHRONIC OVEREXPOSURE:** MAY RESULT IN ISOCYANATE SENSITIZATION.

### ===== SECTION VII – FIRST AID =====

**EYES:** FLUSH WITH CLEAN WATER FOR FIFTEEN MINUTES. REFER INDIVIDUAL TO A PHYSICIAN FOR IMMEDIATE FOLLOW-UP.

**SKIN:** REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH AFFECTED AREAS WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

**INHALATION:** MOVE TO AN AREA FREE FROM RISK OF FURTHER EXPOSURE. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ATTENTION. ASTHMATIC-TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED UP TO SEVERAL HOURS. TREATMENT IS ESSENTIALLY SYMPTOMATIC.

**INGESTION:** DO NOT INDUCE VOMITING. GIVE 1 TO 2 CUPS OF MILK OR WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT PHYSICIAN.

**NOTE TO PHYSICIAN:** EYES: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/ steroid preparation frequently. SKIN: This product is a known sensitizer. Treat symptomatically as for contact dermatitis or thermal burn. INGESTION: Treat symptomatically no specific antidote. INHALATION: This product is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a sensitization reaction to this material must be removed from any further exposure to any isocyanate.

## ===== SECTION VIII – SPECIAL PROTECTION INFORMATION =====

**RESPIRATORY PROTECTION:** A NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPOR SHOULD BE USED. IN SPRAY APPLICATIONS, A SUPPLIED AIR RESPIRATOR IS RECOMMENDED.

**VENTILATION:** POSSIBLE, USE PRECAUTIONS AS ABOVE.

**EYE PROTECTION:** CHEMICAL SPLASH GOGGLES OR FULL-FACE SHIELD.

**SKIN PROTECTION:** PERMEATION-RESISTANT GLOVES. COVER AS MUCH OF THE EXPOSED SKIN AREA AS POSSIBLE WITH APPROPRIATE CLOTHING.

## ===== SECTION IX – SPILL OR LEAK PROCEDURES =====

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** EVACUATE NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION. PUT ON PERSONAL PROTECTIVE EQUIPMENT. DIKE SPILLED MATERIAL AND CONTROL FURTHER SPILLAGE IF POSSIBLE. POUR DECONTAMINATION SOLUTION OVER SPILL AND ALLOW TO REACT FOR 10 MINS. COLLECT MATERIAL IN OPEN CONTAINERS AND FURTHER AMOUNTS OF DECONTAMINATION SOLUTION. WASH DOWN SPILL AREA WITH DECONTAMINATION SOLUTION. DECONTAMINATION SOLUTIONS: CONCENTRATED (3.8%), DETERGENT (2%) AND WATER (90-95%) OR UNION CARBIDE'S TERGITOL TMN-10 (20%) AND WATER (80%).

**WATER DISPOSAL METHOD:** WASTE DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. INCINERATION IS PREFERRED METHOD. EMPTY CONTAINERS WILL CONTAIN PRODUCT RESIDUE. DECONTAMINATE PRIOR TO DISPOSAL.

## ===== SECTION X – SHIPPING DATA =====

D.O.T. SHIPPING NAME:	PAINT RELATED MATERIAL
TECHNICAL SHIPPING NAME:	ESTER SOLVENT EEP
D.O.T. HAZARD CLASS:	FLAMMABLE LIQUID
UN/ NA NUMBER:	UN1263 PG III
REPORTABLE QUANTITY:	NONE
D.O.T. LABELS REQUIRED:	FLAMMABLE
FREIGHT CLASS:	55

## ===== SECTION XI – DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE THIS INFORMATION IS ACCURATE. HOWEVER, WE DO NOT GUARANTEE ITS ACCURACY AND CANNOT BE LIABLE FOR ANY DAMAGES ACTUAL OR CONSEQUENTIAL WHICH MIGHT OCCUR FROM RELIANCE THEREON.