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## MATERIAL SAFETY DATA SHEET

### PREFERRED EPOXY – Color Coat, Part A

Product Class: Polyester Polyol

HMIS Codes: H F R P  
3 2 1 G

#### SECTION I – MANUFACTURER IDENTIFICATION

**MANUFACTURER'S NAME:** PREFERRED DECK SYSTEMS LLC  
**ADDRESS:** 7534 W. MADISON ST.  
TOLLESON, AZ 85353

**EMERGENCY PHONE:** (602) 909-6199 or (602) 361-8100  
**INFORMATION PHONE:** (888) 440-3320  
**DATE PRINTED:** 11/10/09  
**NAME OF PREPARER:** RUSTY GONZALES

24 HOUR EMERGENCY ASSISTANCE: Chemtrec 1-800-424-9300

#### SECTION II – HAZARDS INGREDIENTS

REPORTABLE COMPONENTS	CAS#	OSHA PEL	ACGIH TLV
Propylene Glycol Mono-Methyl Ether Acetate	108-65-6	N/E	N/E
Polyester Polyol	67815-82-1	N/E	N/E
Titanium Dioxide	13463-67-7	N/E	N/E

#### SECTION III – PHYSICAL DATA

**Boiling Point:** Begins at 280° F  
**Vapor Pressure:** 3.7mm Hg  
**Vapor Density:** Heavier Than Air  
**Specific Gravity:** 1.43  
**Percent Volatiles:** 35  
**Solubility in Water:** Insoluble  
**Evaporation Rate:** N/A  
**Appearance:** Viscous Pigmented Liquid  
**Odor:** Of Solvent, Fruity, Ester-Like

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

**Flash Point:** 122°F: Setflash (ASTM D-3243)  
**Flammable Limits: % Volume in Air** LEL: 1.3 @173°F UEL: 13.1 @ 283°F  
**Extinguishing media:** Dry Chemical, Carbon Dioxide, Foam, Water Spray for Large Fires  
**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide  
**Special Fire Fighting Procedures:** Full Emergency Equipment with self-contained breathing apparatus and full protective clothing. During fire, irritating, toxic gas and smoke may be present from decomposition/combustion.  
**Fire and Explosion Hazards:** Closed containers may explode when exposed to extreme heat. Use cold spray to cool fire exposed containers to minimize risk of rupture. Vapors may build-up and travel along the ground to an ignition source which may result in a flash back to the vapor source.

#### SECTION V – REACTIVITY DATA

**Stability:** Stable  
**Hazardous Polymerization:** Will not occur  
**Incompatibility:** Avoid oxidizers.

MATERIAL SAFETY DATA SHEET

## PREFERRED EPOXY – Color Coat, Part A

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

**Primary Route of Entry:** Dermal, inhalation, eye

**Eye Contact:** Contact is severely irritating and can cause pain, tearing, redness and swelling. If left untreated, corneal damage can occur. Injury is slow to heal, but damage is usually reversible.

**Skin Contact:** Repeated or prolonged exposure may result in dry, defatted or cracked skin. Dermatitis and skin rash may occur. May penetrate skin

**Inhalation:** Vapors are irritating to the eyes, nose, throat and respiratory tract resulting in itchy eyes, dryness of throat and tightness of the chest. Other possible symptoms include headache, nausea, narcosis, fatigue and loss of appetite.

**Ingestion:** May result in the irritation of the digestive tract. Symptoms include sore throat, abdominal pain, nausea, vomiting and diarrhea.

## ===== SECTION VII – EMERGENCY FIRST AID PROCEDURES =====

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention.

**Skin:** Immediately remove contaminated clothing. Wipe excess from skin and flush with plenty of water. Use soap if available. Do not reuse clothing until thoroughly cleaned. Seek medical attention.

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquid into the lungs. Do not give anything by mouth to an unconscious person. Seek medical attention.

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek medical attention.

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

**Respiratory Protection:** Avoid prolonged or repeated breathing of vapors. Wear NIOSH approved respirator for organic vapor to prevent overexposure.

**Ventilation:** Local exhaust ventilation is recommended.

**Eye Protection:** Wear liquid chemical goggles or full face shield.

**Skin Protection:** Avoid prolonged or repeated contact with the skin. Permeation resistant gloves (Butyl rubber, or Nitrile rubber). Wear long sleeved and legged garments.

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

**Steps to be taken if material is released or spilled:** Remove all sources of ignition. Ventilate area. Equip clean-up crew with appropriate protective gear. Dike spilled material and control further spillage if possible. Cover spill with absorbent material. Collect material in open containers. Flush spill area with water.

**Waste Disposal Method:** Dispose of material in accordance with all federal, state and local regulations for disposal. Empty containers must be handled with care due to product residue and combustible solvent vapors.

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

**D.O.T. Shipping Name:** Paint Related Material

**UN/NA Number:** UN 1263

**Technical Shipping Name:** Polyester Polyol

**D.O.T. Labels Required:** Flammable

**D.O.T. Hazard Class:** Flammable

**Freight Class:** 55

MATERIAL SAFETY DATA SHEET**PREFERRED EPOXY – Color Coat, Part B**

Product Class: Isocyanate Solution

HMIS Codes: H F R P  
3 2 1 G

## ===== SECTION I – MANUFACTURER IDENTIFICATION =====

**MANUFACTURER'S NAME:** PREFERRED DECK SYSTEMS LLC  
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24 HOUR EMERGENCY ASSISTANCE: Chemtrec 1-800-424-9300

## ===== SECTION II – HAZARDS INGREDIENTS =====

REPORTABLE COMPONENTS	Percent	CAS#	OSHA PEL	ACGIH TLV
Propylene Glycol Mono-Methyl Ether Acetate	5-15	108-65-6	N/E	N/E
Homopolymer of Hexamethylene Diisocyanate	85-95	28182-81-2	N/E	N/E

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

**Boiling Point:** Begins at 280° F                                      **Solubility in Water:** Insoluble, but reacts slowly  
**Vapor Pressure:** 3.7mm Hg    **Evaporation Rate:** N/A  
**Vapor Density:** Heavier Than Air                                      **Appearance:** Pale Yellow Clear Liquid  
**Specific Gravity:** 1.09    **Odor:** Of Solvent, Fruity, Ester-Like  
**Percent Volatiles:** 5-15

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

**Flash Point:** 122°F: Setflash (ASTM D-3243)**Flammable Limits: % Volume in Air**      LEL: 1.3 @173°F                      UEL: 13.1 @ 283°F**Extinguishing media:** Foam, Dry Chemical, Carbon Dioxide. 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.

## ===== 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:** Dermal, inhalation, 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.

MATERIAL SAFETY DATA SHEET

## PREFERRED EPOXY – Color Coat, Part B

## ===== SECTION VII – EMERGENCY FIRST AID PROCEDURES =====

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention.

**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.

**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.

**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.

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

**Respiratory Protection:** A NIOSH approved respiratory 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. Pour decontamination solution over spill and allow to react for at least 10 min. 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%)

**Waste Disposal Method:** Waste must be disposed of in accordance with all 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

**UN/NA Number:** UN1263

**Technical Shipping Name:** Polyisocyanate Solution

**D.O.T. Hazard Class:** Flammable

**D.O.T. Labels Required:** Flammable

**Packaging Class:** III

**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 FOW ANY DAMAGES ACTUAL OR CONSEQUENTIAL WHICH MIGHT FROM RELIANCE THEREON. IF YOU HAVE ANY QUESTIONS REGARDING THIS PRODUCT, PLEASE CONTACT PREFERRED DECK SYSTEMS AT 888.440.3320 AS SOON AS POSSIBLE.