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## MATERIAL SAFETY DATA SHEET

EFF REDUCER

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PRODUCT NAME: EFF REDUCER

HMIS CODES: **H F R P**  
**0 1 0 X**

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

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

EMERGENCY PHONE: (602) 909-6199, (602) 361-8100      DATE PRINTED: 8/11/08  
INFORMATION PHONE: 888-440-3320      NAME OF PREPARER: RUSTY GONZALES

### ===== SECTION II – HAZARDOUS IDENTIFICATION =====

PRIMARY ROUTES OF EXPOSURE: Inhalation. Ingestion. Skin Absorption.  
EYE CONTACT: None known.  
SKIN CONTACT: None known.  
ACUTE INGESTION: None known.  
INHALATION EFFECTS: None known.  
OTHER EFFECTS: None known.

This product contains ingredients that may contribute to the following potential chronic health risks:  
See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

### ===== SECTION III – COMPOSITION/ INFORMATION ON HAZARDOUS INGREDIENTS =====

There are no hazardous components per OSHA guidelines.

### ===== SECTION IV – FIRST AID MEASURES =====

**Inhalation:** If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.

**Ingestion:** If swallowed, contact medical personnel immediately to determine best course of action.

**Medical Conditions Aggravated By Exposure:** Any respiratory or skin condition.

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===== SECTION V – FIRE FIGHTING MEASURES =====

**Flash Point (Fahrenheit):** 212° F (100° C) TCC/PM  
**Lower Explosive Limit:** Not available. %  
**Upper Explosive Limit:** Not available. %  
**Auto Ignition Temperature:** Not determined. ° F ( ° C)  
**Sensitivity To Impact:** No.  
**Sensitivity To Static Discharge:** Not typically sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.  
**Hazardous Combustion Products:** See Section 10.

**Unusual Fire and Explosion Hazards:**  
None known.

**Extinguishing Media:**  
Carbon dioxide, dry chemical, foam and/or water fog.

**Fire Fighting Procedures:**  
Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Use water spray to cool nearby containers and structures exposed to fire. Will not sustain combustion.

===== SECTION VI – ACCIDENTAL RELEASE MEASURES =====

**Action to be taken if material is released or spilled:**  
Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/ federal regulations (see Section 13.) Avoid contact with eyes.

===== SECTION VII – HANDLING AND STORAGE =====

**Precautions to be taken in handling and storage:**  
Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not freeze. Do not store above 120° F (49° C.) Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA Regulation 910.106, Ontario OH&S Regulation 851 Section 22. Empty containers may contain product residue, including flammable or explosive vapors. All label warnings must be observed until the container has been commercially cleaned or reconditioned. Do not cut, drill, grind, or weld on or near container. Do not puncture container. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

===== SECTION VIII – PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS =====

**Personal Protective Equipment**

**Eye and Face Protection:**  
Wear safety glasses or goggles to protect against exposure.

**Skin Protection:**  
Usual hand protection recommended for handling resin products. Usual clothing for handling resin products.

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## **Respiratory Protection:**

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air-purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

## **Ventilation**

Ensure adequate ventilation while handling or applying in a confined area. Ventilation equipment should be explosion-proof.

## **Exposure Guidelines**

OSHA Permissible Exposure Limits (PEL's)

ACGIH Threshold Limit Value (TLV's)

## ===== SECTION IX – PHYSICAL PROPERTIES =====

<b>Odor:</b>	Normal for this product type.
<b>Physical State:</b>	Liquid
<b>pH:</b>	Not determined.
<b>Vapor Pressure:</b>	24 mmHG @ 68° F (20° C)
<b>Vapor Density (air = 1.0):</b>	.6
<b>Boiling Point:</b>	212° F (100° C)
<b>Solubility in Water:</b>	Soluble
<b>Coefficient of Water/ Oil Distribution:</b>	Not determined.
<b>Density (lbs per iS gallon):</b>	8.8
<b>Specific Gravity:</b>	1.05
<b>Evaporation Rate (butyl acetate = 1.0):</b>	.4

## ===== SECTION X – STABILITY AND REACTIVITY =====

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to Avoid:</b>	None known.
<b>Incompatibility:</b>	Avoid water-reactive materials, heat or contact with peroxides or other catalysts.
<b>Hazardous Polymerization:</b>	None anticipated.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide and carbon dioxide.
<b>Sensitivity to static discharge:</b>	Not typically sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

## ===== SECTION XI – TOXICOLOGICAL INFORMATION =====

Mutagens/ Teratogens/ Carcinogens: None known.

## ===== SECTION XII – ECOLOGICAL DATA =====

No information on ecology is available.

## ===== SECTION XIII – DISPOSAL CONSIDERATIONS =====

Disposal should be made in accordance with federal, state and local regulations.

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===== SECTION XIV – TRANSPORTATION INFORMATION =====

**U.S. Department of Transportation**

Proper Shipping Name: RESIN, NOT REGULATED  
UN ID Number: NRRESN

**49 CFR Hazardous Material Regulations Parts 100-180**

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

**International Air Transport Association:**

Proper Shipping Name: RESIN SOLUTION  
UN ID Number: NRRESN

**International Maritime Organization:**

Proper Shipping Name: RESIN SOLUTION  
Non-Bulk UN ID Number: NRRESN

===== SECTION XV – REGULATORY INFORMATION =====

**U.S. FEDERAL REGULATIONS:**

**SARA 311/312 Hazard Class:**

Acute: No  
Chronic: No  
Flammability: Yes  
Reactivity: No  
Sudden Pressure: No

**U.S. STATE REGULATIONS:**

**Pennsylvania Right To Know:**

**Additional Non-Hazardous Materials**

WATER, DEIONIZED 7732-18-5  
PROPRIETARY RESIN Trade Secret

**Rule 66 status of product:** Not photo-chemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**TSCA Inventory:**

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:**

All components of this product are listed on the Domestic Substances List.

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===== SECTION XVI – OTHER INFORMATION =====

**HMIS Codes**

Health: 0  
Flammability: 1  
Reactivity: 0  
PPE: X - See Section 8 for Personal Protective Equipment (PPE).

**Abbreviations:**

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

===== SECTION XVII – DISCLAIMER =====

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