



Reflecto Seal

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

SECTION 1: Product and Company Identification

Product Name: Reflecto Seal – Heat Reflective Color Sealer

Available in 6 Standard Colors: Baja Sand, Dusty Road, Grand Canyon, Graystone, Navajo Cream, and New Sonoran.

Other Means of Identification: Water-based pigmented sealer

Recommended Use: High-quality, specialty 100% acrylic sealer

Manufacturer/Supplier: Preferred Deck Systems LLC

Address: 7534 W. Madison St.
Tolleson, AZ 85353

Telephone: 888.440.3320

Fax: 623.474.2251

Email: info@prefdeck.com

Emergency Telephone Number: 888.440.3320

SECTION 2: Hazards Identification

GHS Classifications

Hazard	Category	Signal Word	Hazard statement	Symbol
Physical Hazards	None, not flammable	None	None	None
Health Hazards Acute Toxicity	5	Warning	H303, May be harmful if swallowed	None
Skin Corrosion /Irritation	2	Warning	H315: Causes skin irritation	Exclamation Mark
Eye Irritation	2A	Warning	H319, Causes Serious Eye irritation	Exclamation Mark
Aspiration Hazard	2	Warning	H305, May be harmful if swallowed and enters airways	Health Hazard

Emergency Overview:

Warning! Contains petroleum distillates that can cause chemical pneumonia if aspirated into the lungs as a liquid. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Eye and skin contact will result in irritation.

Route of Entry: Inhalation: yes. Skin: yes. Ingestion: yes.

Carcinogenicity: NTP: no. IARC: no. OSHA: no.

Reproductive Toxicity: No reproductive toxicants over 1% in formula.

Specific Target Organ Systemic Toxicity (TOST): Single Exposure: Irritating to the skin and eyes and respiratory tract. Prolonged exposure will affect the nervous system, causing nervous system depression.

Effects of Exposure:

Acute: Eye: H319: Causes serious eye irritation.

Skin: Category 2. Causes Skin Irritation. Reversible adverse effects in dermal tissue within the observation period, usually 14 days.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis (central nervous system depression). Intentional inhalation in concentrated form (huffing) may lead to brain damage and death.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and effects of overexposure.

Signs and Symptoms of Overexposure:

Health hazard: diarrhea. Aspiration of material into lungs can cause chemical pneumonia which can be fatal.

Medical Conditions Aggravated by Exposure: Asthma.

LABELING:

Product identifier: Reflecto Seal Color Sealer

Signal word: Warning

Hazard statements: H303, May be harmful if swallowed. H315, Causes skin irritation. H319, Causes Serious Eye irritation. H305, May be harmful if swallowed and enters airways.

Causes Skin and Eye Irritation. Do not breathe vapors or mist. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.

COMPANY NAME: Preferred Deck Systems LLC
 ADDRESS: 7534 W. Madison St.
 Tolleson, AZ 85353
 Phone number: 888.440.3320

HAZARDS: (Liquid) Serious skin and eye irritant.

Pictograms on the label:

Warning: May cause damage to central nervous system through prolonged or repeated inhalation.

Warning: Aspiration Hazard: May be harmful if swallowed and enters airways

Warning: May cause respiratory irritation when inhaled.

Hazard Statements

H303 May be harmful if swallowed
 H315 Causes Skin irritation
 H319 Causes Serious Eye Irritation
 H305 May be harmful if swallowed and enters airways.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P305 +P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.

SECTION 3: Composition/ Information on Ingredients

Hazardous Ingredients	CAS#	Percent w/w	OSHA PEL
Octylphenol ethoxylate	9036-19-5	<2	Not Established
Nepheline Syenite	37244-96-5	<5	5mg/m3 TWA (respirable fraction) Ontario OEL
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	<1	5mg/m3
Titanium Dioxide	13463-67-7	<15	10 mg/M3(ACGIH)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	6474-65-0	<1	5mg/m3
Propylene Glycol	57-55-6	<5	10mg/m3

*Note: NE=Not Established

Note: Further safety information can be found in subsequent sections.

SECTION 4: First Aid Measures**General Information:** Discard contaminated clothing immediately.**Eye:** Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.**Skin:** Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing before reuse.**Inhalation:** Remove to fresh air. Apply artificial respiration/administer oxygen if necessary. Call physician immediately. If person is unconscious, transport affected person in reclined position.**Ingestion:** Keep person warm and quiet. Get immediate medical attention. Do not induce vomiting because of risk of aspiration of material into lungs. Drink several glasses of water to dilute the product in the stomach.

SECTION 5: Fire Fighting Measures

Flammability Summary (OSHA): Not Flammable

Flash Point Method: Setaflash

Flash Point: Greater than 200F (93C) (Setaflash).

Upper Flammable/Explosive Limit, % in air: Not Found

Lower Flammable/Explosive Limit, % in air: Not Found

When dry the product can be made to burn:

Upper Flammable /explosive limit, % in air: NA

Lower Flammable / explosive limit, % in air: NA

Unusual Fire/Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to fire due to pressure buildup.

Extinguishing Media: Use water fog, foam, carbon dioxide or chemical firefighting apparatus.

Fire Fighting Instructions: Wear NIOSH/MSHA approved SCBA and full protective equipment. Do not use full pressure water jet. Water spray may be used for cooling containers to prevent possible pressure build up and auto ignition/explosion when exposed. Guard against toxic gasses released by fire. If safe, remove containers from fire zone.

Products of Combustion: Carbon Dioxide, Carbon Monoxide, Water Vapor.

SECTION 6: Accidental Release Measures

Slip and fall hazard when the coating is wet. Evacuate the area of all unnecessary personnel. Ventilate area. Equip employees with appropriate protective equipment. Dike around spilled material. Cover spill with inert/absorbent material and shovel into container. Remove containers to safe area and seal. Use sand or absorbent to collect material and to prevent flow into storm water or ground.

Waste Disposal Methods: Waste material must be disposed of in accordance with federal, state and local environmental regulatory controls.

SECTION 7: Handling and Storage

Handling: Use drum trucks and pallet jacks to move drums and cans.

Drums: Protect against physical damage.

Bulk: Storage should be in standard lidded storage tanks.

Other Precautions: Clean up spills quickly to prevent slipping on the wet surface.

SECTION 8: Exposure Controls and Personal Protection

Respiratory Protection:

Use NIOSH/MSHA approved self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits use NIOSH/MSHA approved vapor respirator or an airline respirator with escape bottle provisions.

Ventilation:

Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Exhaust air may need to be cleaned by scrubbers.

Protective Gloves: Chemical resistant gloves.

Eye Protection: Chemical workers' goggles.

Other Protective Equipment:

Eye bath and safety shower. To prevent repeated or prolonged skin contact wear impervious clothing and boots.

Work Hygiene Practices: Wash hands and clothing after exposure.

Supplemental Safety and Health: First aid procedures: Vomit can cause chemical pneumonia which can be fatal.

Ventilation: Filters to reduce environmental contamination.

Effects of overexposure: Irritating to respiratory system. Mild, reversible liver effects, liver abnormalities.

Exposure Limits:

Hazardous Ingredients	CAS#	Percent w/w	OSHA PEL
Octylphenol ethoxylate	9036-19-5	<2	Not Established
Nepheline Syenite	37244-96-5	<5	5mg/m3 TWA (respirable fraction) Ontario OEL
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	<1	5mg/m3
Titanium Dioxide	13463-67-7	<15	10 mg/M3(ACGIH)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	6474-65-0	<1	5mg/m3
Propylene Glycol	57-55-6	<5	10mg/m3

NE=Not Established

SECTION 9: Physical and Chemical Properties

Physical State: Liquid

Odor: slight

pH Value: 8.5 to 9.4

Evaporation rate: Slower than ether

Initial boiling point: 100C (212F)

Bulk Density: Approximately 10.79 pounds per gallon

Upper Explosion Limit: Not established

Solubility in Water: miscible

Weight per gallon: 10.79 +/- 0.15 pounds

Color: Beige

Odor Threshold: not available.

Melting point: Not available

Freezing point: Not available.

Auto ignition Temperature: 395C(743F)

Flash Point: >200F PMCC

Lower Explosion Limit: Not established

Specific Gravity: 1.30 @ 20C (68F)

VOC: 0.905 pounds per gallon less water (108 g/l)

SECTION 10: Stability and Reactivity

Stability and Reactivity Summary: Stable under normal conditions

Reactive Properties: Strong acids and bases will attack the polymer.

Sensitivity to mechanical shock: None

Hazardous Polymerization: Will not occur

Conditions to Avoid: Do not heat closed containers

Chemical Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: CO, CO2

SECTION 11: Toxicological Information

Hazardous Ingredients	CAS#	Percent w/w	LD50 oral, rat, mg/kg
Octylphenol ethoxylate	9036-19-5	<2	1700
Nepheline Syenite	37244-96-5	<5	No data found
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	<1	No data found
Titanium Dioxide	13463-67-7	<15	5000
Distillates (petroleum), solvent-dewaxed heavy paraffinic	6474-65-0	<1	No data found
Propylene Glycol	57-55-6	<5	22000

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 6474-65-0) is a suspected human carcinogen according to ACGIH (American Conference of Government Industrial Hygienists).

*NF=Not Found

SECTION 12: Ecological Information

Environmental Toxicity: Some parts are not persistent in the environment. Ecotoxicity Classification criteria is between 1 and 100 for some of the ingredients. Most ingredients are carbon based and are eventually degraded by bacteria when placed in water or soil. Pigments do not travel through soil well. Some parts are hazardous to the aquatic environment, acute and long term.

SECTION 13: Disposal Considerations

Care must be taken to avoid environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws.

Waste Disposal Summary: Dispose as a hazardous chemical.

Disposal Methods:

Dispose of in accordance with local, state and federal regulations. Incineration is preferred.

SECTION 14: Transport Information

US Ground (DOT): Not regulated for transportation.

Canada (TDG): Not regulated for transportation.

IMO: Not regulated for transportation.

IATA/ICAO: Not regulated for transportation.

SECTION 15: Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Superfund Amendments and Reauthorization Act (SARA) Title III: None present.

Sections 311/312 Hazard Categories (40 CFR 370.2):

Immediate/Acute Health Hazard: Yes

Delayed/Chronic Health Hazard: Yes

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Federal and State Regulations:

California Prop 65: The following chemicals have been determined by the State of California to cause cancer in laboratory animals and are available in trace amounts in this product:

Distillates (petroleum), hydrotreated heavy paraffinic CAS64742-54-7

Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS6474-65-0

Titanium Dioxide (unbound), CAS13463-67-7

Quartz (fine fraction) CAS14808-60-7

CERCLA Reportable Quantities: None

HMS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: A

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

SECTION 16: Other Information

This information should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to its use. No warranties of any kind neither express nor implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, information, data and designs furnished by Preferred Deck Systems LLC hereunder are given gratis and Preferred Deck Systems LLC assumes no obligation or liability for the description, information, data and designs given or results obtained, all such being given and accepted at your risk. We believe this information to be reliable and up to date as of its publication date, but make no warranty that it is. If this SDS is more than one year old you should contact Preferred Deck Systems LLC to make sure the information is still current.

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