

## Section 1: Identification of the Substance/Mixture and of the Company Undertaking

**Product Name:** Deck Defense  
**Synonym:** Exterior waterborne wood stain.  
**Product Restrictions:** Exterior wood restoration and protection  
**Manufacturer Name:** Perma-Chink Systems, Inc.  
**Manufacturer Address 1:** 1605 Prosser Road  
**Manufacturer City:** Knoxville  
**Manufacturer State:** TN  
**Manufacturer Zip Code:** 37914  
**Manufacturer Country:** USA  
**Manufacturer Web:** www.permachink.com  
**Business Phone:** 800-548-3554  
**Customer Service Phone:** 865-524-7343  
**Business Fax:** 865-523-9475  
**Emergency Phone:** CHEMTREC 1-800-424-9300  
**Revision Date:** 03/27/2019

## Section 2: Hazards Identification



**Signal Words:** Warning  
**GHS Class Phrases:** Skin Irritant, Category 3. Eye Irritant, Category 2B.  
**Hazard Statements:** May be harmful if swallowed. May cause respiratory irritation.  
**Precautionary Statements:** Wash hands thoroughly after handling. Use personal protective equipment as required. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Do not breath vapors, mist, or spray.

## Section 3: Composition/Information on Ingredients

**Molecular Formula:** No information.  
**Molecular Weight:** No information.

Ingredient Name	CAS Number	Ingredient Percent	EC Number	Comments
Proprietary Polymer		10-25		
water	7732-18-5	70-80		
Propylene glycol	57-55-6	1-3		
Non-hazardous		5-10		

## Section 4: First Aid Measures

<b>Inhalation:</b>	If inhaled, remove to fresh air.
<b>Skin Contact:</b>	Wash off immediately with plenty of water.
<b>Eye Contact:</b>	Remove contact lenses, if applicable, and continue flushing. Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## Section 5: Firefighting Measures

<b>Fire:</b>	Non Flammable.
<b>Extinguishing Media:</b>	Water, carbon dioxide (CO <sub>2</sub> ), and dry chemical.
<b>Unsuitable Media:</b>	No Data
<b>Hazardous Combustion Byproducts:</b>	Carbon monoxide. Carbon dioxide. Other undetermined compounds could be released in small quantities.
<b>Fire Fighting Instructions:</b>	Cool canisters with water spray until well after the fire is out.
<b>Special Fire Properties:</b>	Not applicable.
<b>Unusual Fire Hazards:</b>	No Data

## Section 6: Accidental Release Measures

<b>Personnel Precautions:</b>	Wear personal protective equipment.
<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.

## Section 7: Handling and Storage

<b>Handling:</b>	Do not eat or drink while using this product. Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
<b>Storage:</b>	Do not freeze. Avoid excessive heat. Should be stored at room temperature, approximately 25°C (77°F).
<b>Hygiene Practices:</b>	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
<b>Special Handling:</b>	No Data

## Section 8: Exposure Controls/Personal Protection

<b>Respiratory Protection:</b>	No special protective equipment required.
<b>Hand Protection:</b>	Rubber or latex gloves recommended.
<b>Hygiene Practices:</b>	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid
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Color:	Milky white before color tinting.
Odor:	Mild.
pH:	8.5 - 9.5
Melting Temperature:	Not determined.
Boiling Temperature:	212 oF
Evaporation Rate:	No Data
Vapor Pressure:	23.8 torr @ 75 oF
Vapor Density:	1.0 (water = 1)
Density:	Not determined.
Solubility:	Soluble in water.
Partition Coefficient:	Not determined.
Viscosity:	21-23 SECONDS #2 Zahn cup
Explosive Properties:	Not applicable.
Oxidizing Properties:	Not determined.
Specific Gravity:	1.009
Percent Volatile:	75 - 90
VOC Content:	187 g/L
Molecular Formula:	No information.
Molecular Weight:	No information.
Specific Volume:	No information.
Refractive Index:	No Data

## Section 10: Stability and Reactivity

Reactivity:	Non reactive
Chemical Stability:	Stable under normal temperatures and pressures.
Conditions To Avoid:	None under normal use.
Incompatible Materials:	Oxidizing agents
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Not applicable.

## Section 11: Toxicological Information

### Proprietary Polymer:

Acute Toxicity:	No data available
Route of Exposure:	Skin Eye Ingestion Inhalation
Eye Toxicity:	No data available
Skin Toxicity:	No data available
Ingestion Toxicity:	No data available
Inhalation Toxicity:	No data available

### Propylene glycol:

Acute Toxicity:	No known significant effects or critical hazards
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Sensitization:	Did not cause sensitization on laboratory animals
Eye Toxicity:	Presumed non-toxic
Skin Toxicity:	Presumed non-toxic
Ingestion Toxicity:	Presumed non-toxic
Inhalation Toxicity:	Presumed non-toxic
SubChronic Effects:	No aspiration toxicity classification

## Section 12: Ecological Information

### Proprietary Polymer:

Ecotoxicity:	No data available for this material.
BioAccumulation:	Not determined.
Environmental Fate:	Not available.

### Propylene glycol:

Ecotoxicity:	Fish, daphnia/other invertebrates, and algae: Presumed non-toxic
Biodegradation:	Readily biodegradable

## Section 13: Disposal Considerations

---- no data in this section ----

## Section 14: Transport Information

DOT Shipping Name:	Not regulated as a dangerous good
DOT UN Number:	Non regulated.
DOT Hazard Class:	Non regulated.
DOT Packing Group:	Non regulated.
IMDG Shipping Name:	Not regulated as a dangerous good
IATA UN Number:	Not regulated as a dangerous good

## Section 15: Regulatory Information

### Regulatory - Ingredient Based:

#### Proprietary Polymer:

SARA:	Not classified as hazardous
US Federal:	Non regulated.
TSCA Inventory Status:	Listed

#### Propylene glycol:

Canada DSL:	Listed
SARA:	Non regulated.
TSCA Inventory Status:	Listed

## Section 16: Additional Information

**Issue Date:** 03/27/2019

**Revision Date:** 03/27/2019

**Disclaimer:** The information contained herein is, to the best of Perma-Chink Systems, Inc. knowledge, accurate as of the data indicated. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assumes the risk of his use thereof.

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