



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product identifier used on the label:

Product Name: **Deck Defense**

Other means of identification:

Synonyms: Exterior waterborne wood stain.

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Exterior wood restoration and protection

Chemical manufacturer address and telephone number:

Manufacturer Name: Perma-Chink Systems, Inc.

Address: 1605 Prosser Road
Knoxville, TN 37914
USA

Website: www.permachink.com

General Phone Number: 800-548-3554

General Fax Number: 865-523-9475

Customer Service Phone Number: 865-524-7343

Emergency phone number:

Emergency Phone Number: CHEMTREC 1-800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Not classified as hazardous according to OSHA Hazard Communication Standard, CFR 1910-1200.

GHS Class: Not applicable.

Hazard Statements: Not applicable.

Precautionary Statements: Not applicable.

Hazards not otherwise classified that have been identified during the classification process:

Proprietary Polymer:

Route of Exposure: Skin Eye Ingestion Inhalation

Potential Health Effects: No data available

Propylene glycol:

Potential Health Effects: Presumed non-hazardous

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

| Chemical Name | CAS# | Ingredient Percent | EC Num. |
|---------------------|-----------|--------------------|---------|
| Proprietary Polymer | | 10-25 by weight | |
| water | 7732-18-5 | 70-80 by weight | |
| Propylene glycol | 57-55-6 | 1-3 by weight | |
| Non-hazardous | | 5-10 by weight | |

SECTION 4: FIRST AID MEASURES

Description of necessary measures:

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact: | 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. |
| Skin Contact: | Wash off immediately with plenty of water. |
| Inhalation: | If inhaled, remove to fresh air. |
| Ingestion: | 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: FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Water, carbon dioxide (CO₂), and dry chemical.

Unsuitable extinguishing media: No Data

Specific hazards arising from the chemical:

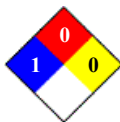
Hazardous Combustion Byproducts: Carbon monoxide.
Carbon dioxide.
Other undetermined compounds could be released in small quantities.

Unusual Fire Hazards: No Data

Fire Fighting Instructions: Cool canisters with water spray until well after the fire is out.

NFPA Ratings:

NFPA Health: 1
NFPA Flammability: 0
NFPA Reactivity: 0



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Wear personal protective equipment.

Environmental precautions:

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

SECTION 7: HANDLING and STORAGE

Precautions for safe handling:

Handling: Do not eat or drink while using this product. Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

Special Handling Procedures: No Data

Conditions for safe storage, including any incompatibilities:

Storage: Do not freeze. Avoid excessive heat. Should be stored at room temperature, approximately 25°C (77°F).

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Individual protection measures:

Hand Protection Description: Rubber or latex gloves recommended.

Respiratory Protection: No special protective equipment required.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

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

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Non reactive

Chemical Stability:

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

Hazardous Polymerization: Not applicable.

Conditions To Avoid:

Conditions to Avoid: None under normal use.

Incompatible Materials:

Incompatible Materials: Oxidizing agents

Hazardous Decomposition Products:

Special Decomposition Products: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Proprietary Polymer:

Acute Toxicity: No data available

Propylene glycol:

Acute Toxicity: No known significant effects or critical hazards

Proprietary Polymer:

Eye: No data available

Skin: No data available

Inhalation: No data available

Ingestion: No data available

Propylene glycol:

Eye: Presumed non-toxic

Skin: Presumed non-toxic

Inhalation: Presumed non-toxic

Ingestion: Presumed non-toxic

Sensitization: Did not cause sensitization on laboratory animals

Subchronic Effects: No aspiration toxicity classification

Carcinogenicity: No evidence of carcinogenicity in animal studies

SECTION 12: ECOLOGICAL INFORMATION

Proprietary Polymer:

Ecotoxicity:

Ecotoxicity: No data available for this material.

Environmental Fate: Not available.

Bioaccumulative potential:

Bioaccumulation: Not determined.

Propylene glycol:

Ecotoxicity:

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

Persistence and degradability:

Biodegradation: Readily biodegradable

SECTION 13: DISPOSAL CONSIDERATIONS

Description of waste:

Proprietary Polymer:

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

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.

IATA UN Number: Not regulated as a dangerous good

IMDG Shipping Name : Not regulated as a dangerous good

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Proprietary Polymer:

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

Propylene glycol:

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

SECTION 16: ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 0
HMIS Reactivity: 0
HMIS Personal Protection: 1

| | |
|---------------------|---|
| Health Hazard | 1 |
| Fire Hazard | 0 |
| Reactivity | 0 |
| Personal Protection | X |

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Disclaimer: The information contained herein is, to the best of Perma-Chink Systems, Inc. knowledge, accurate as of the date 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 their own determination as to the suitability of the material for their particular purpose and on the condition that they assume the risk of use thereof.