



Eco Building Products
San Diego, California - USA

SAFETY DATA SHEET

Section 1 - Product and Identification

Product Name: **Eco D-Fence Wood Stain – Preservative – Optional Fire Inhibitor (Rev D)**
Synonyms: None
CAS. NO.: None
Description: **Aqueous Wood Stain - Preservative Application Solution**
Product Identifier: **Eco D-Fence 10-175 Clove Brown (various colors)**

Manufacturer: Eco Building Products, Inc.
11568 Sorrento Valley Rd. Ste. 13
San Diego, CA. 92121
760.732.5826

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Section 2- Hazard Identification

OHSA/HCS status:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the Substance or Mixture:

Acute Toxicity (inhalation) - Category 4
Acute Toxicity Oral - Category 4
Skin Corrosion/Irritation - Category 4
Serious Eye Damage - Category 4
Skin sensitization - Category 4
Specific Target Organ Toxicity- single exposure - Category 4

GHS Label Elements



Signal Word: **WARNING**

Hazard Statement:

Harmful if swallowed
May cause skin burns and eye damage
May cause an allergic skin reaction
May cause respiratory irritation

Precautionary Statements:

Wear personal protective equipment.
Wear protective gloves.
Wear eye or face protection
Use in a well ventilated area avoid breathing dust/fumes/vapors/spray
Wash skin thoroughly after handling
Do not eat drink or smoke when using this product
Contaminated work clothing should not be allowed out of the workplace

Response:

IF SWALLOWED: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous.

IF ON SKIN (or hair): Takeoff contaminated clothes immediately. Rinse skin immediately with water for 15-20 minutes. Prolonged or repeated skin contact may cause allergic reaction in some people. If continued reaction, please call Poison Center or Doctor for Treatment advice.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Call 911 or medical services, then apply artificial respiration.

IF IN EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If continued or chronic pain, please call Poison Center or Doctor for treatment advice.

STORAGE: Store between 5 to 40°C (41 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool well ventilated area, away from incompatible materials, food and drink. Store locked up. Always keep container tightly closed and sealed. Containers that have been opened must be tightly resealed and held in an upright position. Use appropriate containment to avoid environmental contamination.

DISPOSAL: Triple rinse or pressure rinse (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedure approved by local and state authorities.

Hazards Not Otherwise Classified: None known

Section 3 - Composition/Information of Ingredients

Chemical nature: Mixture of Aqueous Polymers, Stain Concentrate, Biocide Esters with homogenized Fire Inhibitor and Borates.

Chemical Ingredients	Concentration	CAS #
Water / H ₂ O:	-	7732-18-5
WoodSurfaceFilm Concentrate Rev E(a)	~8 – 12%	Proprietary
FRC12 Fire Inhibitor Concentrate	~26 – 29%	Proprietary – (Optional or H ₂ O)
Disodium Octaborate Tetrahydrate	~9% wt/wt	64405-8
Kaolin	~1 - 2%	1332-58-7
Pernambuco Pre-Stain Concentrate	~10 – 12%	Proprietary – (Various Colors)

Note: All levels stated above are at or below Threshold Value Limit (TVL) requirements determined by the OSHA Hazard Communication Standards (HCS)

Section 4 – First Aid Measures

Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Call 911 or medical services, then apply artificial respiration.

Skin contact: Takeoff contaminated clothes immediately. Rinse skin immediately with water for 15-20 minutes. Prolonged or repeated skin contact may cause allergic reaction in some people. If continued reaction, please call Poison Center or Doctor for Treatment advice.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If continued or chronic pain, please call Poison Center or Doctor for treatment advice.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous.

Aside from the information found under description of first aid measures (above), additional important symptoms and effects are described in Section 11: Toxicology Information.

Section 5 - Fire

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: no data available

Special hazards arising from the substance or mixture: no data available

Hazardous combustion products: no data available

Unusual Fire and Explosion Hazards: Combustion generates toxic fumes of the following: hydrogen chloride Nitrogen oxides (NOx) sulfur oxides

Advice for firefighters Fire Fighting Procedures: Cool containers/tanks with water spray. Minimize exposure. Do not breathe fumes. Contain run-off.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear a NIOSH approved (or equivalent) respirator (with organic vapor/acid gas cartridge and a dust/mist filter) during spill clean-ups and deactivation of this material. Protective clothing, including chemical splash goggles, nitrile or butyl rubber full length gloves, rubber apron, or clothing made of nitrile or butyl rubber, and rubber overshoes must be worn during spill clean-ups and deactivation of this material. If material comes in contact with the skin during clean-up operations, IMMEDIATELY remove all contaminated clothing and wash exposed skin areas with soap and water. See SECTION 4, First Aid Measures, for further information.

Environmental precautions: Do not allow material to contaminate ground water system. Prevent product from entering drains.

Section 7 – Handling and Storage

Precautions To Be Taken In Handling And Storage:

This material is slightly corrosive. For personal protection see section 8. Do not handle material near food, feed or drinking water.

Conditions for safe storage: Store at 41* - 104*F (5* - 40* C). Provide adequate ventilation in storage area. Protect from freezing. Keep away from Fire and Heat (Any ignition source). Keep containers closed when not in use. Do not store in containers made from Steel.

CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Emptied containers may retain product residue. follow all SDS and label warnings even after container is emptied.

Section 8 – Exposure Control/Personal Protection

Control parameters Exposure limits are listed below, if they exist.

Component	Regulation	Type of Listing	Value/Notation
(Dichloro-2-n-octyl-4 isothiazolin-3-one)		TWA	0.06 mg/m ³
		STEL	0.1 mg/m ³
Clay/Kaolin	ACGIH	TWA Respirable fraction	2 mg/m ³
	OSHA Z-1	TWA total dust	15 mg/m ³
	OSHA Z-1	TWA respirable fraction	5mg/m ³
LD ₅₀ :	Not determined. Similar products tested for LD ₅₀ limit value are greater than 10,000 mg / KG.		
Threshold Limit Value:	No limit determined.		

Effects of Acute Exposure

Ingestion:	Nausea may occur.
Inhalation:	Prolonged exposure may produce headaches, and mucous membrane irritation.
Skin Contact:	Direct contact may cause mild irritation.
Eye Contact:	Direct contact may cause irritation.

Effects of Chronic Exposure: None determined

Personal Protective Equipment (PPE)

Respiratory Protection:	An approved organic vapor respirator is advised for poorly ventilated areas.
Ventilation; Local Exhaust:	None required.
Mechanical (General):	Provide adequate ventilation.
Protective Gloves:	Wear rubber gloves.
Eye Protection:	Wear approved safety glasses with side shields.
Other Protective Equipment:	Wear protective work clothing. Launder contaminated clothing before reuse.

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Section 9 – Physical and Chemical Properties

Physical Appearance:	Brown Milky dispersion. (Color Dependent)
Odor:	Characteristic mild odor.
pH @ 22°C:	Approx. 7.1 – 7.2
Boiling Point:	Approx. 212°F (100°C)
Freezing Point:	Approx. 32°F (0°C)
Melting Point:	Not applicable.
Flash Point:	Not applicable.
Flammability:	This material will burn after water boils away.
Auto ignition Temperature:	Greater than 250°F (120°C).
Explosives Properties:	None
Oxidizing Properties:	None
Vapor Pressure:	Approx. 23 mbar (as water).
Vapor Density (Water Vapor=1):	1
Specific Gravity (Water=1):	1.17 @ 20°C
Evaporation Rate (Water=1):	1
MFFT:	5°C
Solubility in Water:	Infinitely miscible.
VOC (liquid)	.054 lbs/gallon
VOC (dry)	.025 lbs/gallon

If this product becomes a waste, it does not exhibit the properties of ignitability, corrosivity, reactivity, or environmentally persistent toxicity. The material should not be flushed into any sewer system. This product should not be released to the environment without chemical treatment by flocculation / precipitation.

Section 10 – Stability and Reactivity

Reactivity: no data available

Chemical stability: no data available

Possibility of hazardous reactions: Stable under recommended storage conditions. Product will not undergo Hazardous Polymerization.

Conditions to avoid: no data available

Section 11 - Toxicological Information

* Levels are at or below Threshold Value Limit (TVL) requirements determined by the OSHA Hazard Communication Standards (HCS)

Skin corrosion/irritation:

This material is slightly corrosive

Serious eye damage/eye irritation

This material is slightly corrosive

Sensitization:

This material may cause skin sensitization.

Specific Target Organ Systemic Toxicity (Single Exposure)

May cause respiratory irritation.

Route of Exposure: Oral

Target Organs: Respiratory Tract

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Product test data not available.

Carcinogenicity;

None

Section 12 - Ecological Information

General Information:

*This product if discharged can be toxic to fish and aquatic invertebrates

Section 13 – Disposal Considerations

Disposal methods: Material should not be flushed into any sewer system. This product and any residual material left in its packaging may be incinerated, or absorbed with an inert absorbent material and land filled. After the material has been collected, dispose of in accordance with all local, state and federal regulations applicable to non-hazardous liquid wastes. (See 40 CFR 268)

Section 14 – Transport Information

This product is classified as Non-flammable, Non-hazardous, Not Restricted for Transport purposes.

United Nations Number: None.

ADR/RID Class: -

IATA Class: -

IMO Class: -

IMDG Code: -

Marine Pollutant

Classification: Not classified as a Marine Pollutant.

Class 55 Non- Hazardous Stain Product

HTS Code: - 2919.00

Section 15 – Regulatory Information

OSHA Hazard Communication Standard

This product is not classified as dangerous for the User under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

California (Proposition 65): In Compliance.

None of the components of this product are on the proposition 65 list published as of April 22, 2016.

AICS: (Australia) Not determined.

EINECS: (Europe) This product meets the definition of a polymer under the 7th Amendment to Directive 67/548/EEC. (92/32/EEC).

CEPA DSL: (Canada) Not determined

**Handbook of Existing and
New Chemical Substances
(Japan):**

Not determined.

Toxic substances

Control Act: (USA) This product is on the 8(B) Inventory List (40 CFR 710).

SARA: (USA)

Section 302-

This product does not contain materials listed in Appendix A or B as an Extremely Hazardous Substance.

Sections 311/312-

Materials listed in 29 CFR 1910, Subpart Z are identified in Section III. None is known or suspected carcinogens listed by the National Toxicology Program, International Agency for Research on Cancer, or OSHA.

Section 313- Listed materials contained in this product are identified in Sections III of this SDS.

Clean Air Act: (USA) This product does not contain, and has not contacted during manufacture, any Ozone Depleting Substances.

Food Packing Use: This product is for Industrial Use only. It is not approved for any applications involving food packaging or contact.

Section 16 – Other Information

Hazard Rating System: HMIS

Health	Flammability	Physical Hazard
1	0	0

Legend

ACGIH USA. ACGIH OSHA Z-	Threshold Limit Values (TLV)
	OEL's STEL
(STEL):	Short Term Exposure Limit
OSHA Z-1 USA.	Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

This product must be used in accordance with released manufacturing and quality control documentation as supplied by Eco Building Products, Inc. The Company cannot anticipate all of the handling and use of this product. Therefore, Eco Building Products, Inc. accepts no responsibility for results obtained by the application of this product, use of this information or the safety and suitability of our products either alone or in combination with other products outside the scope of our published documentation or product labeling. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Eco Building Products, Inc. will not accept any liability for damages or loss incurred from the improper handling and use of this product.

Eco Red Shield™ Protected Lumber is a registered trademark of Eco Building Products, Inc.
 WoodSurfaceFilm™ is a registered trademark of Eco Building Products, Inc.
 Eco D-Fence™ is a registered trademark of Eco Building Products, Inc.

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