



BUILDING
PRODUCTS



Eco Building Products, Inc.
San Diego, California - USA

SAFETY DATA SHEET

Section 1 - Product and Identification

Product Name: **Eco Red Shield™ Wood Treated Article**
Synonyms: None
CAS. NO.: None
Description: **Treated Solid Wood/Panels and Engineered Wood Products.**
Wood Product Identifier: **Fire Retardant - Preservative Treated Wood**
Finished Product Identifier: **Red colorant on all six sides of the treated wood**

Manufacturer: Eco Building Products, Inc.
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760.732.5826

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Section 2 - Hazard Identification

OSHA/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 3
Specific Target Organ Toxicity- single exposure - Category 4

GHS Label Elements

Signal Word: WARNING



Hazard Statement:

May cause an allergic skin reaction
May cause respiratory irritation

Precautionary Statements:

Wear personal protective equipment.
Wear protective gloves.
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: This product is not expected to be ingested. 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: Wash skin with soap and water. 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: This product is not expected to be toxic by inhalation. Use normal wood handling precautions and wood dust warnings.

IF IN EYES: This product is not expected to be an eye irritant.

STORAGE: Treated wood should be stored under cover at least 6 inches from the ground. Avoid constant wetting or other direct sources of moisture.

DISPOSAL: Dispose in a sanitary landfill, or by procedure approved by local and state authorities.

Hazards Not Otherwise Classified: None known

Section 3 - Hazardous Components

| Chemical Ingredients | SARA-313 | CAS # |
|--|----------|-------------|
| Water: | - | 7732-18-5 |
| WoodSurfaceFilm™ Concentrate Rev E(a): | - | Proprietary |
| AF21/FRC12 Fire Inhibitor: | - | Proprietary |
| Disodium Octaborate Tetrahydrate .42pcf (~15%) | - | 64405-8 |
| Pigment | - | Proprietary |

Note: Above levels are below report ability 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: Wash skin with soap and water. 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: This product is not expected to be an eye irritant. If accident occurs, 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: This product is not expected to be ingested. 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

| | |
|-----------------------------|---|
| Flash Point: | Not Applicable |
| Flammable Limits: | Not applicable |
| Explosive Limits in Air: | <40 grams M3 (LEL) |
| Extinguishing Media: | Use water spray, dry chemicals, or carbon dioxide. |
| Fire Fighting Instructions: | Use self-contained breathing apparatus and protection for skin. Wet down with water. Wet down dust to reduce dispersion of dust into the air. Remove burned or wet dust to open area. |
| Special Hazards: | Not applicable |

Section 6 - Accidental Release Measures

Not Applicable
Special Hazards: Not applicable

Section 7 - Handling and Storage

Precautions Taken in Handling and Storage:

Use standard wood handling procedures. Treated wood products should be stored a minimum of 6 inches from ground contact and properly wrapped per OEM specifications. Avoid constant wetting or other direct sources of moisture. Please refer to Quality Control Manual for further precautions.

Section 8 - Exposure Controls / Personal Protection

Personal Protective Equipment (PPE)

| | |
|-----------------------------|--|
| Respiratory Protection: | None required in well-ventilated areas. An approved organic vapor full-face respirator is advised for poorly ventilated areas. |
| Ventilation; Local Exhaust: | None required. |
| Mechanical (General): | Provide adequate ventilation. |
| Protective Gloves: | Not required. |
| Eye Protection: | Wear approved safety glasses with side shields. |
| Other Protective Equipment: | Wear protective work clothing. Launder contaminated clothing before reuse. |

Exposure Limit- Wood Dust

****WARNING****
Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

ACGIH TLV(A): TWA-50 mg/m³ STEL (15min.)-10 mg/m³ Softwood

TWA -1.0 mg/m³: Certain hardwoods such as beech and oak

OSHA PEL: OSHA's Air Contaminants Rule, including OSHA's wood dust PEL's was struck down in AFL-CIO v. OSHA, 985F.2d 952 (11th CIR. 1992), a number of states have incorporated those provisions in their state plans. Additionally, OSHA has announced that it may cite companies under the OSH Act general duty clause under appropriate circumstances for non-compliance with those levels.

TWA-50 mg/m³ STEL (15min.) -10 mg/m³ Softwood

All softwoods, hard woods, except Western Red Cedar.

Western Red Cedar: TWA-2.5 mg/m³

Section 9 - Physical and Chemical Properties

| | |
|----------------------|---|
| Physical Appearance: | Light Red Color on surface of substrate. |
| Odor: | Dependent on wood species |
| pH @ 22°C: | Not Applicable |
| Boiling Point: | Not Applicable |
| Melting Point: | Not Applicable |
| Solubility in Water: | Insoluble |
| Evaporation Rate: | Not Applicable |
| Butyl Acetate = 1: | Not Applicable |
| Specific Gravity: | Depends on wood species and moisture content. |

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

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.

Section 11 - Toxicological Information

LD₅₀: Not determined. Similar products tested for LD₅₀ 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 will not cause irritation.

Eye Contact: Direct contact will not cause irritation.

Effects of Chronic Exposure: None determined

Section 12 - Ecological Information

This product contains Disodium Octaborate Tetrahydrate, Boron (B) is an element which occurs naturally in seawater at an average concentration of 5 mg B/L and generally, occurs in freshwater at concentrations up to 1 mg B/L. To convert Disodium Octaborate Tetrahydrate into equivalent boron (B) content, multiply by 0.2096. Boron is an essential micronutrient for healthy growth of plants; however, it can be harmful to boron sensitive plants in high quantities. Care should be taken to minimize the amount of the product released to the environment.

Section 13 - Disposal Considerations

Recommended Waste 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 and national regulations applicable to non-hazardous liquid

wastes. Dispose in a sanitary landfill, or by procedure approved by local and state authorities. Wood scrapes can be ground up for use as mulch in gardens. Disodium Octaborate Tetrahydrate is not listed under any sections of the Federal Resource Conservation and Recovery Act (RCRA).

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.

| Shipping Description | Bulk Shipments | Non-bulk Shipments |
|--------------------------------------|----------------|--------------------|
| Proper Shipping Name: | Non-regulated | Non-regulated |
| Hazard Class: | Not applicable | Not applicable |
| Identification No. : | Not applicable | Not applicable |
| Packing Group: | Not applicable | Not applicable |
| Reportable Quantities: | Not applicable | Not applicable |
| Placards / Labels: | Not applicable | Not applicable |
| Special Provisions for Transport: | Not applicable | Not applicable |

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 II and II of this MSDS.

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

Federal Regulations

CERCLA / SARA: Spills or releases of this material do not currently trigger emergency release reporting requirements under CERCLA or SARA Title III. State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws.

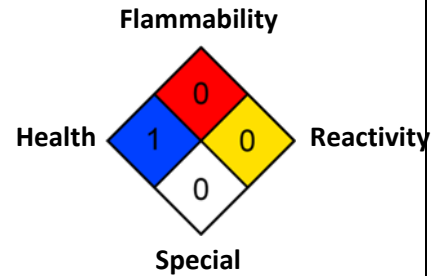
Other Regulations: Not applicable

Classification: Not classified as dangerous for the User.

Risk Phrases:

Warning Signs:

Countries outside the EEC: WHMIS Classification – Class D, Division 2.



Hazard Rating Information Table:

| | |
|-------------------|-------------|
| 0 = Insignificant | 3 = Serious |
| 1 = Slight | 4 = Severe |
| 2 = Moderate | |

Eco Building Products, Inc. cannot anticipate all of handling and use of this product. Therefore, Eco Building Products, Inc. accepts responsibility only for the intended use as per the product labeling. Eco Building Products, Inc. accepts no responsibility for results obtained by the application of this product, this information, or the safety and suitability of our products either alone or in combination with other products outside the intended use as specified on the product label. 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 Building Products, Inc will not be responsible for any carcinogens or chemicals used in the manufacturing of the treated wood substrate.

Eco Red Shield[™] Protected Lumber is a registered trademark of Eco Building Products, Inc.

WoodSurfaceFilm[™] is a registered trademark of Eco Building Products, Inc.

For further information, contact: Eco Building Products, Inc.

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