



MATERIAL SAFETY DATA SHEET
UNIVERSAL FOREST PRODUCTS
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SECTION 1 – PRODUCT IDENTIFICATION

| | |
|---------------------------|---|
| PRODUCT NAME: | Microshades Cedar |
| SYNONYMS: | N/A |
| DESCRIPTION: | Cedar wood, pigmented to various shades. |
| PURPOSE: | Residential construction applications. |
| PREPARED BY: | Legal Compliance Department |
| EMERGENCY CONTACT: | Company: (800) 598-9663 Chemtrec: (800) 424-9300 |

SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| CAS # | Hazardous Component | Percent |
|------------|---------------------|---------|
| N/A | Wood/Wood dust | 98-99.9 |
| 1309-37-1 | Red Iron Oxide | <1.0 |
| 51274-00-1 | Yellow Iron Oxide | <1.0 |

¹The above values may vary due to the variability of treatment and the natural variability of wood

This product was manufactured in a facility that also manufactures ProWood Micro CA and may contain small amounts of micronized copper azole.

SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------|--------------------------------------|--------------------------------|----------------|
| Appearance: | Solid wood, appearance may vary | Specific Gravity: | Not Available |
| Odor: | Wood odor, dependent on wood species | Vapor Pressure: | Not Available |
| Boiling Point: | Not Applicable | Vapor Density: | Not Applicable |
| Melting Point: | Not Applicable | Density: | Not Applicable |
| Freezing Point: | Not Applicable | % Volatile by Volume: | Not Applicable |
| Weight per Gallon: | Not Applicable | Solubility (H ₂ O): | Not Applicable |
| Evaporation Rate: | Not Applicable | Reactivity (H ₂ O): | Not Applicable |

SECTION 4 – FIRE AND EXPLOSION HAZARD

| Flash Point | Method | Upper/Lower Flammable Limit | Auto-ignition | Rate of Burn |
|----------------|----------------|-----------------------------|---------------|---------------|
| Not Applicable | Not Applicable | Not Available | Not Available | Not Available |

Unusual Fire and Explosion Hazards: Wood is combustible when exposed to heat or flames. Wood dusts may form explosive mixtures with air in the presence of an ignition source. Combustion products may yield irritating and toxic fumes and gasses including copper compounds and oxides of carbon and nitrogen.

Fire Fighting Equipment and Extinguishing Media: Use water to wet down wood to reduce the likelihood of ignition. Fire fighters should use full protective clothing including self-contained breathing apparatus.

| | | | | | |
|-------------|--------------|-----|-------------|--------------|---|
| NFPA Codes: | Health | 1 | HMIS Codes: | Health | 1 |
| | Flammability | 1 | | Flammability | 1 |
| | Reactivity | 0 | | Reactivity | 0 |
| | Other | N/A | | Protection | B |

Reactivity Data: Product is stable under normal conditions. Keep away from excessive heat, sparks, and open flames. Keep away from incompatible materials including strong reducing and oxidizing agents. Hazardous polymerization is not likely to occur.

SECTION 5 – HEALTH HAZARDS AND FIRST AID

WARNING! Wood dust may form an explosive mixture with air. Use exhaust ventilation when cutting, sawing or grinding in an enclosed area. Wood dust may cause irritation to eyes, skin, and upper respiratory tract. When cutting, sanding, or grinding avoid inhalation and wear safety glasses. Handling may cause splinters, use puncture resistant gloves. Do not burn Microshades Cedar in open fire, stoves, fireplaces, or residential boilers. Observe good hygiene and safety practices when handling this product.

| | Signs and symptoms of acute overexposure | First Aid Measures |
|-------------|--|--|
| Eyes: | Wood dust may cause irritation to the eyes. Symptoms can include irritation, redness, scratching of the cornea, and tearing | Immediately flush eyes with water for at least 15 minutes. Seek medical attention if symptoms persist |
| Skin: | Any wood dust may cause irritation to the skin. Mechanical rubbing may increase skin irritation. Some wood species and their dusts may contain natural toxins, which may cause dermatitis or allergic reactions in sensitized individuals. | For irritation from skin contact flush immediately with soap and water, continue at least 15 minutes. If irritation persists, get medical attention immediately. If wood splinters are injected under the skin, get medical attention. |
| Ingestion: | If ingestion does occur, slight gastrointestinal irritation may result. Certain species of wood and their dusts may contain natural toxins, which can have adverse effects on humans. | If the material is swallowed, get medical attention or advice. Do not induce vomiting. |
| Inhalation: | Wood dust is irritating to the nose throat and lungs. Symptoms may include nasal dryness, deposits or obstructions in the nasal passages, coughing, sneezing, dryness and soreness of the throat and sinuses, hoarseness, and wheezing. Prolonged or repeated inhalation of wood dusts may cause respiratory irritation, recurrent bronchitis, and prolonged colds. Some species may cause allergic respiratory reactions with asthma-like symptoms in sensitized individuals. Prolonged exposure to wood dust by inhalation has been reported to be associated with nasal and paranasal cancer. | If dusts are inhaled, remove person to fresh air. If symptoms persist, seek medical attention. |

Note to Physician: Respiratory ailments and pre-existing skin conditions may be aggravated by exposure to wood dust. Medical conditions generally aggravated by exposure to wood dust include pre-existing eye, respiratory, and skin conditions.

Chronic Overexposure: Wood dusts may be irritating to the eyes, skin and respiratory tract. Prolonged or repeated inhalation of wood dust may cause respiratory irritation, recurrent bronchitis, and prolonged colds. Depending on the species of wood, recurrent exposure may cause allergic skin and respiratory reactions in some individuals.

Carcinogenicity: Microshades Cedar and its components other than wood dust are not listed as carcinogens by ACGIH, NIOSH, or IARC. Wood dust is classified as a carcinogen by ACGIH, NIOSH, and IARC, which is based on an increased incidence of nasal and paranasal cancer in people exposed to wood dusts. Carcinogenicity of wood dust: ACGIH – A1 Confirmed Human Carcinogen (related to wood dusts-hard wood; NIOSH – Occupational carcinogen (related to wood dust); IARC -- Monograph 62, 1995 (related to wood dust)(Group 1 (carcinogenic to humans)).

SECTION 6 – EXPOSURE CONTROL MEASURES/PERSONAL PROTECTION

Personal Protective Equipment

- Eyes/Face: Wear safety glasses with side shields when handling, cutting, sanding, or grinding this material. Use a face shield for processes that may generate excessive dusts and splinters.
- Skin: Wear puncture resistant work gloves, such as leather when handling. Wear chemical resistant rubber gloves when handling freshly treated lumber at the treating facility.
- Respiratory: Respirators must be worn if the ambient concentration of airborne contaminants exceeds prescribed exposure limits. Dust masks may be worn to avoid inhalation of nuisance dust. Dust masks may not be adequate protection in environments above the occupational exposure limit.
- Ventilation: Cutting, grinding or sanding should be done outdoors or in a well ventilated area.

Component Exposure Limits

| Component | | OSHA | | ACGIH | |
|---------------------------|-------------------|--|-------------------------|--------------------------------------|--------------------------|
| | | PEL | STEL | TLV | TLV STEL |
| **Wood/Wood dust | Softwoods | 15 mg/m ³ total dust 5 mg/m ³ respirable fraction (as a nuisance dust) | N/A | 1 mg/m ³ TWA | 10 mg/m ³ TWA |
| | Hardwoods | 15 mg/m ³ total dust 5 mg/m ³ respirable fraction (as a nuisance dust) | 6 mg/m ³ TWA | 1 mg/m ³ TWA | N/A |
| | Western Red Cedar | 15 mg/m ³ total dust 5 mg/m ³ respirable fraction (as a nuisance dust) | N/A | 0.5 mg/m ³ TWA | 10 mg/m ³ TWA |
| Red and Yellow Iron Oxide | | 10 mg/m ³ (total dust) | N/A | 10 mg/m ³ (total dust) | N/A |

**A state run OSHA program may have more stringent limits for wood dust and/or Particulates Not Otherwise Regulated.

SECTION 7 – SAFE HANDLING, STORAGE, DISPOSAL, AND ACCIDENTAL RELEASE MEASURES**Handling Procedures:**

- Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding wood.
- Practice good personal hygiene procedures.
- Avoid contact of wood dusts with skin and eyes. Avoid breathing wood dusts.
- Do not eat, drink, or smoke when handling this product or in areas where dusts of this product are present.

Storage Procedures

- Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts.
- Store away from excessive heat, sparks, and open flame.

Accidental Release and Disposal Procedures

- Do not burn Microshades Cedar lumber in open fires, stoves, fireplaces, or residential boilers.
- Do not use as mulch.
- Dispose of waste material according to local, State, and Federal Regulations.
- No containment procedures are needed as this product cannot spill or leak.

SECTION 8 – REGULATORY INFORMATION

SARA: Not Regulated
DOT: Not Regulated
State: California Proposition 65 Warning: This product contains a chemical (wood dust) known to the State of California to cause cancer.

NOTICE: THE INFORMATION AND RECOMMENDATIONS SET FORTH ARE BELIEVED TO BE ACCURATE. HOWEVER, UNIVERSAL FOREST PRODUCTS. MAKES NO WARRANTY WITH RESPECT TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE ON THE INFORMATION.