



Ten Oaks Hardwood Flooring with the Six Side Seal

Section 1: Chemical Product and Company Identification

Product Name: Ten Oaks' Unfinished Hardwood Flooring with the Six Side Seal and Ten Oaks' Prefinished Hardwood Flooring with the Six Side Seal

Product Use: Flooring

Company Information:

Address: Ten Oaks
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Section 2: Composition / Information on Ingredients

CAS #	Component
Proprietary	Sealer
Mixture	Wood

See Section 8 for exposure limits.

Section 3: Hazards Identification

Emergency Overview

CAUTION! Sawing, sanding or machining wood products may produce wood dust, which may present a fire or explosion hazard. Wood dust may cause irritation to the eyes, skin and respiratory tract.

Target Organs: Eye, Skin and Respiratory Tract.

Description: Solid wood, coated with a clear sealer.

Potential Health Effects

Potential Health Effects: Inhalation

Dust from sanding or drilling or cutting may cause nasal dryness, irritation, coughing and sinusitis. Repeated exposures can produce allergic responses in some sensitive individuals.

Potential Health Effects: Eye Contact

Dust can cause mechanical irritation.

Potential Health Effects: Skin Contact

Dust may cause mechanical (abrasive) irritation. Various species of wood dust may evoke allergic contact dermatitis in sensitized individuals. If an allergy pre-exists or develops, it may be necessary to remove the sensitized worker from further exposure to wood dust or wood-based products.

Potential Health Effects: Ingestion

Not applicable under normal conditions of use.

Ten Oaks Hardwood Flooring with the Six Side Seal

Medical Conditions Aggravated

Dust exposure may aggravate pre-existing skin, eye, respiratory and cardiovascular disorders.

Section 4: First Aid Measures

First Aid: Inhalation

Remove to fresh air. If breathing is difficult, trained personnel should administer oxygen. Get medical attention if irritation persists.

First Aid: Eyes

Immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush eyes with water at least 15 minutes. If irritation persists, seek medical attention.

First Aid: Skin

Wash affected areas with soap and water until dust is entirely removed from skin. Immediately remove contaminated clothing. If rash, dermatitis or irritation persists, seek medical attention. Launder contaminated clothing before reuse or dispose of properly.

First Aid: Ingestion

Not applicable under normal conditions of use.

Section 5: Fire Fighting Measures

Flash Point: Not applicable.

Explosive Limits: Sawing, sanding or machining wood products can produce wood dust as a by-product. Wood dust is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. 212°F (100°C) has been suggested as the upper temperature limit for continuous exposure for wood without risk of ignition (wood dust may require a still lower temperature). An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lowest explosion limit (LEL) for wood dust. Dust generated from sanding sealer may present a similar fire and explosion hazard.

Hazardous Combustion Products: Thermal-oxidative degradation, or burning, of wood can produce irritating and potentially toxic fumes and gases including carbon monoxide, aldehydes and organic acids. Combustion of sealer will product oxides of carbon and nitrogen.

Autoignition Temperature: 400°-500°F (204°-260°C)

Fire Extinguishing Media: Water, carbon dioxide or sand

Special Fire Fighting Procedure: Use water to wet down dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned, charred or wet dust to open, secure area after fire is extinguished.

Section 6: Accidental Release Measures

Accidental Release: Not applicable for product in purchased form.

Clean-Up Procedures: Dust may be vacuumed or shoveled for recovery or disposal. Wet down accumulated dusts prior to vacuuming or shoveling in order to prevent explosion hazards. Avoid dusty conditions and provide good ventilation. Dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust. Do not inhale dusts during clean-up.

Section 7: Handling and Storage

Handling Procedures: Avoid repeated or prolonged breathing of dust. Avoid eye contact or repeated or prolonged contact with skin. Change protective clothing and gloves when sign of contamination appear.

Ten Oaks Hardwood Flooring with the Six Side Seal

Storage Procedures: Wood products are combustible and, therefore, should not be subjected to temperatures exceeding the autoignition temperature. Water spray may be used to wet down dust generated by sawing, sanding or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Section 8: Exposure Controls / Personal Protection

Component	Exposure Limits
Wood Dust	1.0 mg/m ³ (certain hardwoods such as beech and oak) ACGIH TLV TWA No current OSHA PEL
Sealant	No current ACGIH TLV or OSHA PEL

Engineering Controls: Due to the explosive potential of dust when suspended in air, precautions should be taken during sanding, sawing or machining of products to prevent sparks or other ignition sources in ventilation equipment. Use of totally enclosed motors is recommended. Provide local exhaust as necessary to meet OSHA requirements for wood dust exposure.

Personal Protective Equipment (PPE): (PPE recommended below: it may be necessary to follow PPE requirements as determined by your workplace).

Personal Protective Equipment: Respiratory

Use NIOSH/OSHA approved respirator when ventilation is not possible and if permissible exposure limits to wood dust may be exceeded.

Personal Protective Equipment: Eyes/Face

Recommend goggles or safety glasses as conditions indicate when sawing, sanding or machining wood products.

Personal Protective Equipment: Skin

Protective equipment such as gloves and outer garments may be needed to reduce skin contact. After working with the wood and before eating, drinking, toileting and use of tobacco products, wash exposed areas thoroughly.

Other Protective Clothing or Equipment:

No special requirements under normal conditions of use. Protective clothing should be worn where prolonged skin contact may occur. Protective clothing should be laundered separately from household clothing and before reuse.

Section 9: Physical & Chemical Properties

Appearance: Light to dark colored solid. Color and odor are dependent on the wood species.

Physical State:	Solid	PH:	Not applicable
Vapor Pressure:	Not applicable	Vapor Density:	Not applicable
Boiling Point:	Not applicable	Melting Point:	Not applicable
Solubility (H₂O)	Insoluble	Specific Gravity:	Variable.

Section 10: Chemical Stability & Reactivity Information

Chemical Stability: This is a stable material.

Conditions to Avoid: Dust generated from sawing, sanding or machining the product is extremely combustible. Keep in cool dry place away from ignition sources.

Incompatibility: Oxidizing agents and drying oils.

Hazardous Combustion Products: Thermal-oxidative degradation or burning, of wood can produce irritating and potentially toxic fumes and gases including carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes and organic acids. Combustion of sealer will produce oxides of carbon and nitrogen.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Wood Dust:

Ten Oaks Hardwood Flooring with the Six Side Seal

Wood dust generated from sawing, sanding or machining this product may cause nasal dryness, irritation, coughing and sinusitis. The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) classify wood dust as a (known) human carcinogen (Group I). This classification is based primarily on increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. The evaluation did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust.

Sealant: There is no toxicological data available.

Section 12: Ecological Information

General Product Information: This product is not expected to have ecological effects on the environment.

Component Analysis: Aquatic values were not found for the individual components listed in Section 2.

Environmental Fate: No information available.

Section 13: Disposal Considerations

In its purchased form, dispose of Wood and Wood Products by ordinary trash collection. Sawdust and construction debris should be cleaned up and disposed of after construction. Incinerate or landfill in accordance with local, state and federal regulations.

Section 14: Transportation Information

US DOT Information: This material is not a DOT hazardous material.

Canadian – Transportation of Dangerous Goods (TDG): This product is not listed as a hazardous material.

Section 15: Regulatory Information

US Federal Regulations

CERCLA 103 Reportable Quantity: This product is not regulated under CERCLA. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health, Chronic Health, Fire Hazard (dust).

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: This product is a manufactured article and not subject to chemical notification requirements.

U.S. STATE REGULATIONS:

California Proposition 65: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: None.

Section 16: Other Information

HFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Ten Oaks Hardwood Flooring with the Six Side Seal

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4* = Chronic

MSDS REVISION SUMMARY:

Effective Date: 7/21/2006

Supersedes Date: New