

MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET FOR *EXTERIOR FIRE-X* TYPE II CLEAR TREATED WOOD

Meets Requirements of OSHA's
29 CFR 1910.1200

SECTION I Chemical Product And Company Identification

Product Name: *EXTERIOR FIRE-X* TYPE II CLEAR TREATED WOOD
MSDS Number: HTWP 031
Date Revised: May 1999

Hoover Treated Wood Products, Inc.
P.O. Box 1740
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Emergency Number: (706) 595-7355
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SECTION II - Composition / Information On Ingredients

Proprietary Formula:

Ingredient	Approx. Wt %	ACGIH	OSHA PEL/TWA
FX-300	2 to 7	Not Listed	Not Listed
FX-301	< 0.4	0.3 ppm ceiling	0.75 ppm
FX-302	3 to 8	1 mg/m ³	1 mg/m ³
FX-961	< 0.4	Has a 10% Component @ 1000 ppm	Has a 10% Component @ 1000 ppm
FX-962	< 0.1	Has a 10% Component @ 1000 ppm	Has a 10% Component @ 1000 ppm
FX-963	< 0.1	Has a 2% Component @ 5 mg/m ³ as dust	Has a 2% Component @ 5 mg/m ³ as dust
WOOD	Balance	5 mg/m ³ as dust for softwoods 1 mg/m ³ for hardwoods such as beech and oak	5 mg/m ³ as dust for all soft and hard wood except western red cedar 2.5 mg/m ³ as dust for western red cedar

SECTION III - Physical/Chemical Characteristics

Boiling Point:
N/A

Specific Gravity (H₂O = 1):
Variable -
Dependent on wood species,
grade of wood, and moisture content.

Vapor Pressure (mm Hg.):
N/A

Melting Point:
N/A

Vapor Density (Air = 1):
N/A

Evaporation Rate (Butyl Acetate = 1):
N/A

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SECTION III - Physical/Chemical Characteristics (continued)

Solubility in Water:
Trace.

Appearance and Odor:
Natural wood, no unusual color or odor.

SECTION IV - Fire and Explosion Information

Flash Point (Method Used):
C.O.C. over 600°F

Flammable Limits:
Non Flammable

LEL
N/A

UEL
N/A

Extinguishing Media:

Water, carbon dioxide, foam, dry chemical, sand, standard fire fighting materials.

Special Fire Fighting Procedures:

Toxic vapors such as CO₂ & CO from wood and treatment may be given off in a fire. Wear full protective equipment and self-contained air unit.

Unusual Fire and Explosion Hazards:
None.

Misc:
Rated CLASS A per ASTM E-84 (Flame Spread < 25)

SECTION V - Reactivity Data

Stability:

This material is stable under normal conditions of handling/storage.

Incompatibility (Materials to Avoid):

None known.

Hazardous Decomposition or Byproducts:

From wood: CO and CO₂.

Hazardous Polymerization:

Will not occur.

SECTION VI - Potential Health Effects

ROUTES OF ENTRY: Eye and/or skin contact to wood, inhalation of dust.

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: **EYE** - Wood dust may cause mechanical irritation. **SKIN** - Handling may cause splinters. Prolonged and/or repeated contact with wood dust may cause mild, transient irritation. Some species of wood dust may cause allergic contact dermatitis in sensitive individuals. See COMMENTS section page 3. **INHALATION** - Finely divided wood dust may cause nose, throat or lung irritation and other respiratory effects. Some species of wood dust may cause allergic respiratory response in sensitive individuals. See COMMENTS section page 3. **INGESTION** - Not anticipated to be a health problem; however, as with any item a single ingestion by a very small child of a large amount may require immediate medical attention.

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SECTION VI - Potential Health Effects (continued)

Listed As A Carcinogen Or Potential Carcinogen?: See COMMENTS section this page.

- NATIONAL TOXICOLOGY PROGRAM (Y/N): The treating solution contains a “suspect” carcinogen.
- IARC MONOGRAPHS (Y/N): Y
- OSHA (Y/N): The treating solution contains a “suspect” carcinogen.

Emergency and First Aid Procedures:

1. INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid.
2. EYE CONTACT: Gently flush any particles from the eye with large amounts of cold water. DO NOT RUB EYES. If necessary seek medical aid.
3. SKIN CONTACT: Rinse skin free of sawdust material with water to avoid abrasion of skin. DO NOT RUB until skin is free of material then wash thoroughly with soap and water.
4. INGESTION: Give 1 - 2 glasses of milk or water to victim if conscious and alert. Induce vomiting or give 1 - 2 oz. (30 - 60 g) activated charcoal in water to victim if conscious and alert.

COMMENTS

WITH WOOD DUST OR SAWDUST IN GENERAL: The principal health effects reported from occupational exposure to sawdust or wood dust generated from untreated wood are dermatitis, rhinitis, conjunctivitis, reduced or suppressed mucociliary clearance rates, chronic obstructive lung changes, and nasal sinus cancer. Skin and respiratory sensitization have been reported from exposure to hardwood dust. Epidemiological studies have been reported on carcinogenic risks of employment in the furniture making industry, the carpentry industry, and the lumber and sawmill industry. IARC has determined that there is sufficient evidence to classify untreated wood dust as a nasal carcinogen in humans (Ref. Monograph 62).

Individuals with pre-existing disease or a history of ailments involving the skin, kidney, liver, respiratory tract, eyes, or nervous system are at a greater than normal risk of developing adverse effects from woodworking operations with this product.

SECTION VII - Precautions for Safe Handling and Use

HAZARD CLASS: Not regulated under DOT.

U.S. DOT ID: Not regulated under DOT.

UN/NA NUMBER: Not regulated under DOT.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use good personal hygiene, wash before eating and smoking. Observe good housekeeping techniques. Do NOT store material directly in contact with the ground.

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SECTION VII - Precautions for Safe Handling and Use (continued)

OTHER PRECAUTIONS: Do not use until Consumer Information Sheet (CIS) is read and understood. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products, or rest rooms. Do not wear contact lens without proper eye protection when using them. Use eye protection when machining, cutting or sawing. Wear dust mask when cleaning up sawdust.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Maintain a clean workplace. Clean up scrap lumber and sawdust.

WASTE DISPOSAL METHODS: This product is not considered hazardous waste under Federal Hazardous Waste Regulations 40 CFR Part 261. Please be advised, however, state and local requirements for waste disposal may be different from Federal regulations.

SECTION VIII - Control Measures

Respiratory Protection For Wood Dust:

3M Brand Dust/Mist Respirator #8710 (or equivalent) recommended when sawing or machining, but not required unless wood dust PEL of 5 mg/m³ exceeded.

Ventilation:

Local exhaust.

Protective Gloves:

Work gloves to avoid splinters.

Eye Protection:

Safety glasses to avoid flying splinters and/or sawdust.

SECTION IX - Additional Comments

NOTICE: Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Hoover Treated Wood Products, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for the purposes prior to use. In no event will Hoover Treated Wood Products, Inc. be responsible for damages or any nature whatsoever resulting from the use of or reliance upon this information. **NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.**