

**MSDS**  
**Hakwood Flooring Products**

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**1. Product identification**

Name: Hakwood flooring products (products: Duoplank)  
Description: Engineered Wood Flooring

**2. Transportation data**

Shipping name: Not Classified. Hazard Class: N/A. ID #: N/A

**3. HMIS (0 = minimal hazard; 4 = severe hazard)**

Health = 0                      Flammability = 1                      Reactivity = 0

**4. Product content**

This product does not contain chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on TSCA inventory. This product does NOT contain asbestos, or added urea formaldehyde

**5. Hazardous ingredients**

(Chemical Identity; Common Name)	C.A.S. No.	OSHA PEL	ACGIH TLV
Wood Dust	N/A	15 mg/m <sup>3</sup> (total dust)	Certain hardwoods:
		5 mg/m <sup>3</sup> (respirable dust)	1 mg/m <sup>3</sup>
		5 mg/m <sup>3</sup> recommended <sup>1</sup> softwood and hard wood	Softwood: 5 mg/m <sup>3</sup>
		10 mg/m <sup>3</sup> (STEL) recommended <sup>1</sup> softwood and hardwood	STEL: 10 mg/m <sup>3</sup>

<sup>1</sup> In 1992, the U.S. Court of Appeals for the Eleventh Circuit Court overturned OSHA's 1989 Air Contaminants Rule, which included specific PEL's for wood dust established by OSHA at that time. Wood dust is now officially regulated as an organic dust in a category known as "Particulates Not Otherwise Regulated" (PNOR), or Nuisance Dust. However, a number of states have incorporated the OSHA PEL's from the 1989 standard in their state plans.

**Description and ingredient information**

These engineered wood flooring products are produced for residential and commercial use.

**Miscellaneous information**

Wood products are not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, wood dust generated by sawing, sanding, or machining these products may be hazardous.

**6. Physical data**

APPEARANCE: Material dependent. BOILING POINT (degrees F): N/A. VAPOR PRESSURE (mm Hg @ 20 degrees C): N/A. VAPOR DENSITY (Air = 1): N/A. PERCENT VOLATILE BY WEIGHT (30 min. @ 275°F): N/A. EVAPORATION RATE (Butyl Acetate = 1): N/A. SOLUBILITY IN WATER: N/A. SPECIFIC GRAVITY (H2O = 1): N/A. pH: N/A.

**7. Fire and explosion hazard data**

FLASH POINT (METHOD): N/A. FLAMMABLE RANGE: LEL: = N/A; UEL = N/A. EXTINGUISHING MEDIA: Water spray. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: Sawing, sanding or machining wood products can produce wood dust that can cause an explosive or combustion hazard. AUTO IGNITION HAZARD: 400 – 500°F.



**8. Health hazard data**

PRIMARY ROUTE(S) OF ENTRY: N/A. TARGET ORGANS: N/A. EFFECTS OF OVEREXPOSURE: N/A. SKIN AND EYES: N/A. INHALATION: N/A. CARCINOGENICITY: N/A. NTP: No. IARC Monographs: Yes (as wood dust). OSHA Regulated: No. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/K. FIRST AID PROCEDURES: N/A. SKIN AND EYES: N/A. INHALATION: N/A. INGESTION: N/A.

**9. Reactivity data**

STABILITY: N/A. INCOMPATIBILITY: N/A. HAZARDOUS DECOMPOSITION PRODUCTS: N/A. HAZARDOUS POLYMERIZATION: N/A.

**10. Spill or leak procedures**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Wood dust may be vacuumed or shoveled for recovery or disposal. Avoid creating dusty conditions. Provide good ventilation. WASTE DISPOSAL METHOD: In accordance with Federal, State, and Local waste disposal regulations.

**11. Safe handling and use information**

VENTILATION: N/A. RESPIRATORY PROTECTION: N/A. SKIN AND EYE PROTECTION: N/A.

**12. Special precautions**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: N/A. OTHER PRECAUTIONS: N/A. Caution: Respiratory, Eye and Skin Irritant. Caution: Wood dust. Sawing, sanding and machining wood products can produce wood dust. Airborne wood dust can cause respiratory, eye and skin irritation. PRECAUTIONARY MEASURES: If power tools are used, they should be equipped with a dust collector. If high dust levels are encountered, use an appropriate NIOSH designed dust mask. Avoid contact with eyes and skin. FIRST AID MEASURES IN CASE OF IRRITATION: Flush eyes or skin with water for at least 15 minutes.

**13. Toxicological information**

WOOD DUST: Wood dust generated from sawing, sanding or machining this product may cause nasal dryness, irritation, coughing and sinusitis. Wood dust is not considered a potential cancer hazard by OSHA or the National Toxicology Program (NTP). The International Agency for Research on Cancer (IARC) classifies wood dust as a carcinogen to humans (Group 1). The classification is based primarily on IARC's evaluation of increased risk in the occurrences of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A = not applicable

N/K = none known

See also:

Hakwood GENERAL TERMS AND CONDITIONS OF SALE  
Hakwood INSTALLATION INFORMATION  
Hakwood CARE AND MAINTENANCE INSTRUCTIONS  
Hakwood SUBFLOOR HEATING AND COOLING  
Hakwood HEAT SENSORS  
Hakwood TECHNICAL PRODUCT INFORMATION  
Hakwood Limited WARRANTY

