

# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product identification :** Pre-finished solid and engineered wood floors from our collections :



Origins  
Collection



Design+  
Collection



Exotic  
Collection



Nature  
Collection



Elegancia  
Collection

**Product use :** Residential and commercial wood floors

**Manufacturer :** Mercier Wood Flooring Inc., 330, rue des entrepreneurs, Montmagny, Québec, Canada, G5V 4T1

**Telephone number :** 1-800-463-7048

**Emergency telephone number :** 1-800-463-7048

## 2. HAZARD(S) IDENTIFICATION

**Emergency :** Unlikely under normal conditions of use. The floors pose no particular risks. However, the dust created during sanding or cutting cause irritation effects to the respiratory tract, eyes and skin, and allergic reactions. Wood dust is also known to cause industrial asthma in some individuals. It has also been linked to sinus cancer and cancer of the nasal cavities. Avoid inhaling the dust. Choose respiratory protection and protection equipment suited to the tasks carried out and the levels of concentration of dust.

### Product classification

Carcinogen, category 1A (wood dust)

Skin irritation, category 2

Serious eye damage/eye irritation, category 2B

Specific target organ toxicity, category 3

### Hazard statements

H350 - Wood dust may cause cancer of the nasopharynx and/or cancer of the nasal cavities and sinuses through inhalation

H315 - Causes skin irritation

H335 - May cause respiratory irritation

H320 - Causes eye irritation

Combustible dust

### Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 - Take precautionary measures against static discharge.

P260 and P261 - Avoid breathing dust.

P280 - Wear appropriate protective equipment. In case of poor ventilation, wear appropriate respiratory protective equipment.

P362 and P363 - Take off and wash all contaminated clothing



### Intervention

P302 + 352 - If on skin: Wash with plenty of water and soap

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337 + P313 - If eye irritation persists get medical advice/attention.

P304 + P340 - If inhaled and respiration becomes difficult: Remove person to fresh air and keep comfortable for breathing.

P342 + P313 - If respiratory symptoms persist, get medical advice/attention.

P370 + P378 - In case of fire: Use an appropriate extinguishing agent to extinguish (See section 5)

### Storage

P403 - Store in a well ventilated place.

### Disposal:

P501 - Follow recommendations of the regional environmental authority office with jurisdiction.

**Other hazards :** N/A

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS number	%
Wood dust	none	Generated as a by-product of cutting or sanding

### 4. FIRST AID – WOOD DUST

**Contact with skin :** Wash the affected area with soap and water. If a rash, persistent irritation or dermatitis develops, consult a physician.

**Contact with eyes :** Check to see if the victim is wearing contact lenses and if so, remove them. Rinse eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Consult a physician if the irritation persists.

**Inhalation :** If wood dust is inhaled, take the person to a ventilated area. If there is irritation or severe coughing, or if the victim has trouble breathing, call a physician.

**Ingestion :** N/A

**Major symptoms and effects :** Wood dust may cause irritation in the respiratory tract (dryness of the mucous membranes, sneezing, dry cough, expectoration) and breathing difficulties (nasal discharge, nosebleed, airway obstruction, bronchitis). Wood dust may also cause mechanical irritations of the eyes and skin.

### 5. FIRE-FIGHTING MEASURES

**Appropriate extinguishing agents :** Water, carbon dioxide (CO<sub>2</sub>) and sand

**Specific hazards arising from the hazardous product :** Wood is combustible when exposed to heat and flames. During sawing operations, where wood dust is present it may ignite when in contact with oxidants and strong acids.

**Hazardous combustion products :** Carbon monoxide and carbon dioxide

**Special protection equipment and special precautions for firefighters :** Wear a self-contained breathing apparatus and protective clothing covering the entire body.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures :** Wear safety goggles; other protective equipment such as gloves and dust respirators may be necessary depending on dust conditions.

**Methods and materials for product containment :** Ensure adequate ventilation. Wood dust may be vacuumed or shovelled up for recovery or disposal. Avoid creating dusty conditions. Place wood dust in a designated container.

## 7. HANDLING AND STORAGE

**Precautions for safe handling :** Some cutting and sanding activities may produce wood dust. In that case, provide adequate ventilation. Handle away from sparks, open flames and all other heat sources.

**Conditions for safe storage :** Keep away from all ignition sources and incompatible materials.

**Incompatibilities :** Strong oxidizing agents, drying oils and strong acids. Avoid contact with flames or any other ignition sources.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS :

Permissible exposure limits:

Chemical name	ROHS		ACGIH TLV	
	VEMP	VECD	TWA	STEL
Wood dust	10 mg/m <sup>3</sup>	not available	1 mg/m <sup>3</sup> (selected hardwood total dust)	10 mg/m <sup>3</sup> (most softwood and hardwood, total dust)

**ROHS :** Regulation respecting occupational health and safety

**VEMP :** Short-term exposure value

**VECD :** Valeur d'exposition de courte durée

**ACGIH :** American Conference of Governmental Industrial Hygienists (2015)

**TLV :** Threshold limit value

**TWA :** Time-weighted average

**STEL :** Short-term exposure limit

**Biological exposure indices :** N/A

**Appropriate engineering controls :** Adequately ventilate, by either natural or mechanical means, to comply with exposure values.

**Personal protective measures :** No special personal protective measures are necessary when handling the floors (excluding cutting operations). The presence of dust created by sawing operations may make it necessary to wear respiratory protective equipment in compliance with current regulations if concentrations in the work area exceed permissible exposure limits. Safety goggles are also recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

1. **Appearance :** Varies depending on the species of wood, colour, and type of finish

2. **Odour :** N/A

3. **Odour threshold :** N/A

4. **pH :** N/A

5. **Melting point/freezing point :** N/A

6. **Boiling point :** N/A

7. **Flash point :** N/A

8. **Evaporation rate :** N/A

9. **Flammability (solid, gas) :** N/A

10. **Lower flammable or explosive limits :** 40 g/m<sup>3</sup> (LEL for wood dust)

11. **Vapour pressure :** N/A

12. **Vapour density :** N/A

13. **Relative density :** variable, depending on type of wood, humidity and construction method (solid or engineered), generally lower than 1.

14. **Water solubility :** nil

15. **Partition coefficient :** n-octanol/water : N/A

16. **Auto-ignition temperature :** variable (typically between 204-260°C)

17. **Decomposition temperature :** from approximately 200°C

18. **Viscosity :** N/A

## 10. STABILITY AND REACTIVITY

**Reactivity** : This product is stable under normal conditions of use.

**Chemical stability** : This product is stable under normal conditions of use.

**Risks of hazardous reactions** : No hazardous reactions take place under normal conditions of use.

**Conditions to be avoided** : Flames and sparks

**Incompatible materials** : Avoid contact with strong oxidizing agents, drying oils and strong acids. Avoid contact with flames. The product may ignite at temperatures above 200°C, depending on the duration of exposure.

**Hazardous decomposition products** : carbon dioxide, formic acid, acetic acid, carbon monoxide, flammable vapours and charcoal. Thermal decomposition (from 200 to over 500°C).

## 11. TOXICOLOGICAL INFORMATION

**Irritant properties** : skin (dermatitis), eyes (conjunctivitis), respiratory tract (dryness of mucous membranes, sneezing, dry cough, expectoration); respiratory difficulties (nasal discharge, nosebleed, airway obstruction, bronchitis)

**Sensitization** : Possible sensitization of the skin and respiratory tract (asthma) to wood dust

**Reproductive toxicity** : No data regarding effects on reproduction was found in the sources consulted.

**Teratogenicity** : There is insufficient data for an adequate assessment of the teratogenic effect.

**Mutagenicity** : There is insufficient data for an adequate assessment of the mutagenic effect.

**Carcinogenicity** : A number of national and international organizations have data regarding the carcinogenicity of wood dust in general, or specific to certain types of wood dust :

- The RSST (2007) does not report a cancer rating for wood dust.
- The CIRC (1995) classifies wood dust as “Carcinogenic to humans (group 1)”.
- The ACGIH (2007) classifies :
  - oak and beech as a “Confirmed human carcinogen (group A1)”;
  - birch, mahogany, teak and walnut as a “Suspected human carcinogen (group A2)”;
  - all other wood dusts as “Unclassifiable as to carcinogenicity to humans” (group A4)”.
- The NTP (2005) classifies wood dust as “Known to be a human carcinogen (K)”.

## 12. ECOLOGICAL DATA

1. **Mobility/migration** : Not available
2. **Persistence/Degradability** : Not available
3. **Bioaccumulation** : Not available
4. **Ecotoxicity** : Not available

## 13. DISPOSAL CONSIDERATIONS

**Disposal of residues** : Disposal by burial or burning is acceptable in most regions. However, it is up to the user to determine whether waste disposal complies with applicable laws. If necessary, consult the office of the regional environmental authority with jurisdiction. Note that wood dust may pose a combustion hazard.

## 14. TRANSPORT INFORMATION

UN number : N/A

Proper shipping name : N/A

Transport hazard class : N/A

Packing group number : N/A

Environmental hazards : N/A

Guidance on transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : N/A

Special precautions for transport or conveyance : N/A

## 15. REGULATORY INFORMATION

N/A

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