# Product Safety Data Sheet

## PRODUCTS AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Wood Flooring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td>Engineered Wood Flooring</td>
</tr>
<tr>
<td>Product Use/Class</td>
<td>Floor Covering</td>
</tr>
<tr>
<td>Company Information</td>
<td>PanTim Wood Products, Inc.</td>
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<tr>
<td></td>
<td>15 Washington Ave</td>
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<tr>
<td></td>
<td>Scarborough, ME 04074</td>
</tr>
<tr>
<td>Phone Numbers</td>
<td>Ph: 1-800-318-0316</td>
</tr>
<tr>
<td></td>
<td>Fx: 1-800-605-0409</td>
</tr>
<tr>
<td>Effective Date</td>
<td>April 12, 2018</td>
</tr>
</tbody>
</table>

## COMPOSITION/INFORMATION ON INGREDIENTS

Description: White Oak veneer, hardwood plywood core, hardwood ply backer

## HAZARDOUS INGREDIENTS

### Component 1: Formaldehyde

| Exposure Limits       | ACGIH Limit = 0.1 PPM 8-hr TWA  2 PPM STEL |
|                       | OSHA Limit = 0.75 PPM 8-hr TWA  2 PPM STEL |

Formaldehyde Emissions: Avg: PPM 0.01 per ASTM E1333 Large Chamber Test (see attached test results)
No Added Urea Formaldehyde in the production process, Formaldehyde is present and occurring naturally in wood products

### Component 2: Wood Dust

| Exposure Limits       | OSHA PEL-TWA 5mg/m3 |
|                       | OSHA PEL-STEEL 10mg/m3 |

Potential Airborne Releases: Manual or mechanical cutting or abrasion processes performed on the product can result in the generation of wood dust.

Warning Statement: Wood dust (an OSHA listed carcinogen) Respiratory protection should be used if extensive cutting or machining is required
Potential Health Effects/Likely Routes of Exposure:

- **Eye contact** - Not an expected route of exposure

- **Skin contact** - Some planks may have wood dust on them which may produce mild irritation upon skin contact. Ordinary good measures of personal hygiene will minimize exposure.

- **Inhalation** - This item is a solid material. Be familiar with inhalation precautions for adhesives and while cutting product (dust may be generated while cutting)

- **Ingestion** - Small amounts, if swallowed, are not expected to cause injury.

- **Chronic** - No known chronic effects.

- **Other** - This is a solid consumer good and is relatively non-toxic in intact form, presenting no known hazard to people except as noted under thermal decomposition by-products and under warning statement for dust.

**Component 3: Urethane Coating**

- **Exposure Limit**: Unknown
- **Emissions**: No VOC emission, certified by ECO Institute, Germany

**PHYSICAL CHARACTERISTICS**

- **Description**: 3 ply parquet, White Oak veneer, Spruce veneer back panel and Rubberwood core
- **Physical State**: Solid
- **Boiling Point**: N/A
- **Specific Gravity (H2O=1)**: Less than 1
- **Vapor Pressure**: N/A
- **Melting Point**: N/A
- **Vapor Density**: N/A
- **Reactivity in Water**: N/A
- **Evaporation Rate**: N/A
- **Appearance**: Varies by Species and Stain Color
**FIRE AND EXPLOSION DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>4 25 Degrees to 475 Degrees</td>
</tr>
<tr>
<td>Explosive Limits in Air</td>
<td>The product listed in this MSDS is not an explosion hazard. Sawing, Sanding, or Machining could result in the by-product wood dust. Wood dust may present a strong to severe explosion hazard if a dust cloud contacts an ignition source.</td>
</tr>
<tr>
<td>Fire Extinguishing Media</td>
<td>Water, Carbon Dioxide, Sand</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>In case of fire in the surrounding area: use appropriate extinguishing media. Such as powder, water spray, foam, carbon dioxide and dry sand.</td>
</tr>
</tbody>
</table>

**HEALTH HAZARD DATA**

**Formaldehyde Vapor/Signs and Symptoms of Exposure:**

- **Acute:** may cause temporary irritation of skin, eyes, or respiratory systems. May cause Sensitization in susceptible individuals.
- **Chronic:** Numerous epidemiological studies have failed to demonstrate a relationship between Formaldehyde exposure and nasal cancer or pulmonary diseases such as emphysema or lung Cancer. UAREP concluded that there was no “Convincing Evidence” that formaldehyde exposure causes cancer in humans. Rats exposed to 14PPM of formaldehyde for 24 month in a laboratory developed nasal cancer. Exposure of 6PPM did not result in statistically significant levels. The NCI epidemiological study of 26,000 workers found little evidence linking formaldehyde exposure to cancer. Formaldehyde is classified by OSHA, NTP and IARC as a probable or potential Carcinogen.
- **Medical conditions Aggravated by Formaldehyde exposure:**
  - Respiratory conditions or allergies
- **Emergency First Aid Procedures:**
  - **Inhalation:** Move to fresh air
  - **Eyes:** Move to fresh air
  - **Skin:** Move to fresh air
  - **Ingestion:** Under normal use, it can’t be swallowed. May be harmful if swallowed. If irritation or other symptoms persist, consult a physician.

**Wood Dust:**

- **Eye Contact:** Wood dust can cause mechanical irritation.
- **Skin Contact:** Various species of wood dust may evoke allergy in sensitive individuals.
- **Ingestion:** Not likely to occur.
- **Burning:** According to ISO/DIS 5660 tests, the toxicity index of fire effluents was small, but there are many compounds in smoke oases which can cause irritation to eyes, nose & throat.
  - **Inhalation:** Wood dust may cause nasal dryness, irritation and obstruction. Coughing, wheezing and sneezing; sinusitis and prolonged colds have also been
Wood Dust continued:

- Reported. Depending on species, wood dust may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. IARC classifies wood dust as a carcinogen to human (Group 1). This classification is based primarily on IARC’s evaluation of increased risk in the occurrence of aden carcinomas of the nasal cavities and para nasal sinuses associated with the exposure to wood dust. IARC did not find sufficient evidence to associate cancer of the oropharynx, hypopharynx, lung, lymphatic and hematopoletic systems, stomach, colon or rectum with exposure to wood dust. Wood Dust classification from ACGIH: Hard Woods and Softwoods (non-allergenic); “A4 irritation, mucastasis” except Birch and Oak.

Emergency and First aid Procedures:
- Eye contact: Flush eyes with large amounts of water. Enable fresh air environment. If irritation persists, get medical attention.
- Skin contact: Wash affected areas with soap and water. Get medical advice if rash or persistent irritation or dermatitis occurs.
- Inhalation: remove to fresh air. Get medical advice if persistent irritation, severe coughing or breathing difficulty occurs.
- Ingestion: Not applicable

**REACTIVITY DATA**

- Conditions contributing To Instability:
  - Stable under normal conditions

- Incompatibility:
  - Avoid contact with oxidizing agents & strong acids. Avoid open flame.
  - Product may ignite in excess of 425 degrees.

- Hazardous decomposition Products:
  - Thermal and/or thermal-oxidative decomposition can produce irritating and toxic fumes and gasses, including carbon monoxide, aldehydes and organic acids.

- Hazardous polymerization: N/A

**PRECAUTIONS, SAFE HANDLING**

- Handling and Storage:
  - There may be a buildup of noxious gases in temperatures higher than 212 degrees. Provide adequate ventilation to reduce the possible buildup of formaldehyde vapors above OSHA PEL’s.

- Personal Protective Equipment:
  - Wear goggles or safety glasses when manufacturing or machining the product. Wear NIOSH/MSHA approved respirator when allowable exposure limits may be exceeded. Other protective equipment such as gloves and outer garments may be needed depending on dust conditions.
Although the information and recommendation set forth herein are presented in good faith and believed to be correct as of the date of hereof, the company 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 their purposes prior to use. In no event will the company be responsible for damage of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED 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.