

## 1. Product and Company Identification

<b>Material name</b>	<b>WOOD AND WOOD PRODUCTS</b>
<b>Synonym(s)</b>	Softwood Plywood * Oriented Strand Board (OSB) * Hardboard (Standard, Tempered, Perforated, Paneling) * Lumber Products * Engineered Lumber (LVL, Wood-I-Joists, Rimboard)
<b>Product use</b>	Building Materials - Structural, Industrial or Decorative
<b>Chemical description</b>	Solid wood, such as lumber and wood products, such as softwood plywood, hardboard, oriented strand board and engineered wood products bonded with resin (phenol, phenol resorcinol, melamine formaldehyde-based, or polyvinyl acetate).
<b>Product List</b>	See Product List found in Section 16
<b>Manufacturer information</b>	Georgia-Pacific Wood Products LLC 133 Peachtree Street, NE Atlanta, GA 3030 MSDS Request 404.652.5119 Technical Information 800.284.5347 Chemtrec - Emergency 800.424.9300

## 2. Hazards Identification

<b>Emergency overview</b>	Sawing, sanding or machining wood or wood products can generate dust. Wood dust may ignite or form explosive mixture with air in the presence of an ignition source. Product dust may be irritating to eyes, skin or respiratory system.
<b>Target organs</b>	Eyes, skin and respiratory system
<b>Potential health effects</b>	
<b>Eyes</b>	Dust or splinters may cause irritation or injury to the eyes.
<b>Skin</b>	Contact with skin may cause irritation.
<b>Inhalation</b>	Dusts of this product may cause irritation to the nose, throat, or respiratory tract.
<b>Ingestion</b>	Due to material form and application, ingestion is considered unlikely. May result in irritation of the digestive tract.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent/Wt
WOOD/WOOD DUST	Not Assigned	60 - 100
<b>Composition comments</b>	Some lumber products may be sprayed with sap stain control coatings. The lumber is air or kiln dried. No chemical residue is left on the surface of the board. Wood products are bonded with phenol, phenol resorcinol, melamine formaldehyde-based, or polyvinyl acetate resin. Some wood products may be coated with finishes, sealants and or overlays.	

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. Do not rub the eyes. Get medical attention immediately.
<b>Skin contact</b>	If irritation develops, wash with soap and water. Get medical attention if irritation persists.
<b>Inhalation</b>	Remove from area of exposure. If the affected person is not breathing, apply artificial respiration. If persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.
<b>Ingestion</b>	If wood or wood dust is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

## 5. Fire Fighting Measures

<b>General fire hazards</b>	Wood is combustible when exposed to heat or flame. Wood dusts may form explosive mixtures with air in the presence of an ignition source. An airborne dust concentration of 40 g/m <sup>3</sup> of air is often used as the lower explosion limit (LEL) for wood dust. Avoid prolonged breathing of wood dust or decomposition products.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Use methods for the surrounding fire.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. Partially burned dust is especially hazardous if dispersed into the air. Wet down to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not available
<b>Sensitivity to mechanical impact</b>	Not available
<b>Hazardous combustion products</b>	Hazardous decomposition products may include irritating fumes or gases including carbon monoxide, aldehydes or organic acids.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Avoid inhalation of dust during clean up.
<b>Methods for cleaning up</b>	Vacuum or wet sweep small wood pieces and dust; place in appropriate container for disposal. Gather larger pieces by an appropriate method. Reduce airborne dust by use of wet methods and prevent scattering by moistening with water.

## 7. Handling and Storage

<b>Handling</b>	Dust can form an explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Use personal protective equipment as required. Avoid frequent or prolonged inhalation of wood dust. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Keep away from heat and sources of ignition. Keep formation of airborne dusts to a minimum.
<b>Storage</b>	Store flat, supported and protected from direct contact with the ground. Keep in a well-ventilated place away from incompatible materials. Store in a cool dry place.

## 8. Exposure Controls / Personal Protection

### WOOD/WOOD DUST (CAS # Not Assigned)

	<b>TWA</b>	<b>STEL</b>	<b>Ceiling</b>
<b>ACGIH</b>	1 mg/m <sup>3</sup> TWA (Inhalable)	Not established	Not established
<b>OSHA</b>	5 mg/m <sup>3</sup> TWA (Total Dust) (Vacated)	10 mg/m <sup>3</sup> (Vacated)	Not established

<b>Exposure guidelines</b>	Georgia-Pacific Wood Products LLC voluntarily elects to adhere to exposure limits contained in OSHA's 1989 Air Contaminants Standard although certain limits were vacated in 1992. The present OSHA exposure limits governing wood dust is 15 mg/m <sup>3</sup> (Total Dust) and 5 mg/m <sup>3</sup> (Respirable Fraction).
<b>Engineering controls</b>	Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining wood or wood products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, or machining this product. General dilution ventilation is recommended in processing and storage areas. Use wet methods, if appropriate, to reduce generation of dust.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Safety glasses or goggles are recommended when using this product. Ensure compliance with OSHA's PPE standard (29 CFR 1910.132 and .133) for eye and face protection.
<b>Skin protection</b>	Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain is recommended in the workplace area (29 CFR 1910.151 (c)).

**Respiratory protection**

A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2)

**9. Physical & Chemical Properties**

<b>Color</b>	Various
<b>Form</b>	Solid wood
<b>Odor</b>	Resinous wood
<b>pH</b>	Not applicable
<b>Freezing point</b>	Not applicable
<b>Boiling point</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Flammability</b>	Combustible
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	40 g/m <sup>3</sup> for wood dust
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Specific gravity</b>	Variable
<b>Solubility (water)</b>	Insoluble
<b>Auto-ignition temperature</b>	399.2 - 500 °F (204.4 - 260 °C) for wood
<b>Bulk density</b>	Not applicable

**10. Chemical Stability & Reactivity Information**

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Contact with incompatible materials. High temperatures. Heat, flames and sparks. Dust may form explosive mixture in air.
<b>Conditions of Reactivity</b>	None known.
<b>Incompatible materials</b>	Strong acids, alkalis, oxidizing agents and drying oils.
<b>Hazardous decomposition products</b>	Thermal decomposition may emit irritating fumes or gases of carbon monoxide, carbon dioxide, aldehydes, or organic acids.
<b>Possibility of hazardous reactions</b>	Will not occur.

**11. Toxicological Information**

<b>Toxicological information</b>	No toxicological data available for this product. Toxicological information for components of this product is listed below.							
	Repeated inhalation of dust from this product may result in respiratory irritation.							
	WOOD DUST. Wood dust may cause dryness, irritation, coughing or sinusitis. IARC and NTP classify wood dust as a carcinogen. This classification is based on the increased occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. The evaluation noted insufficient evidence to associate cancer of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust.							
<b>Sensitization</b>	Not applicable for softwoods.							
<b>Carcinogenicity</b>	<p><b>WOOD/WOOD DUST (CAS # Not Assigned)</b></p> <table> <tr> <td>IARC - Group 1 (Carcinogenic to Humans)</td> <td>Monograph 62 [1995]</td> </tr> <tr> <td>NTP (National Toxicology Program) - Report on Carcinogens - Known Human Carcinogens</td> <td>Known Human Carcinogen</td> </tr> <tr> <td>U.S. - OSHA - Hazard Communication Carcinogens</td> <td>Present</td> </tr> </table>		IARC - Group 1 (Carcinogenic to Humans)	Monograph 62 [1995]	NTP (National Toxicology Program) - Report on Carcinogens - Known Human Carcinogens	Known Human Carcinogen	U.S. - OSHA - Hazard Communication Carcinogens	Present
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NTP (National Toxicology Program) - Report on Carcinogens - Known Human Carcinogens	Known Human Carcinogen							
U.S. - OSHA - Hazard Communication Carcinogens	Present							
<b>Mutagenicity</b>	Not available.							
<b>Reproductive effects</b>	Not available.							
<b>Teratogenicity</b>	Not available.							

**Synergistic materials** Not applicable.

## 12. Ecological Information

**Ecotoxicity** Not available.

**Environmental effects** Not available.

## 13. Disposal Considerations

**Disposal instructions** Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of material according to Local, State, Federal, and Provincial Environmental Regulations.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.

### Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as dangerous goods.

## 15. Regulatory Information

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Section 313 hazardous chemical** No

**US federal regulations** Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard 29 CFR 1910.1200. Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous and is regulated under the Hazard Communication Standard 29 CFR 1910.1200.

**WHMIS status** Exempt

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

## 16. Other Information

### Product list

Engineered Lumber Wood I Beam™ Joists and Broadspan™ I-Joists, GP Lam® LVL and Broadspan™ LVL, Fiberstrong® Rim Board

Lumber Sta-Strait™ Finger-Jointed Southern Yellow Pine Lumber, Solid Sawn Wood

Plywood Plytanium® Plywood, Plytanium® DryPly® Plywood, Sanded Pine Plywood, Cargo Panel Plywood, Plywood Sturd-I-Floor®, Plywood Rated Sheathing, Plywood Exterior Siding, Ply-Bead® Panels, Sanded Plywood Project Panels, PlyFrame® Panels, Plywood Underlayment, CDX Plywood; Plyform, T1-11 Textured Plywood Siding, Craftsman® Primer/Sealer Plywood Siding, Craftsman® Sanded Plywood

Oriented Strand Board (OSB) Oriented Strand Board (OSB), OSB Sturd-I-Floor®, OSB Rated Sheathing, Home Advantage® OSB Sturd-I-Floor®, DryGuard® OSB Sturd-I-Floor, Nautilus™ Wall Sheathing, Thermostat® OSB Radiant Barrier Roof Sheathing

Engineered Boards Hardboard, Hushboard® Sound Deadening Board, Coreboard, Uncoated Container Pack, Table Pad Substrate, Jubilee® RTP and White Ice Beadboard Paneling, Lionite® Tileboard Paneling, SuperWood® Industrial Panels, Mark-R Board, Chalk Board, Clutter Cutter™ Panels, UltraStrate® Industrial Panels

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### HMIS® ratings

Health: 1\*  
Flammability: 1  
Physical hazard: 0

### NFPA ratings

Health: 2  
Flammability: 1  
Instability: 0

### Other information

WOOD PRODUCTS

CAUTION!

SAWING, SANDING OR MACHINING WOOD PRODUCTS CAN PRODUCE WOOD DUST, WHICH CAN CAUSE A FLAMMABLE OR EXPLOSIVE HAZARD.

WOOD DUST MAY CAUSE LUNG, UPPER RESPIRATORY TRACT, EYE OR SKIN IRRITATION. SOME WOOD SPECIES MAY CAUSE DERMATITIS AND/OR RESPIRATORY ALLERGIC EFFECTS. EXPOSURE TO WOOD DUST MAY CAUSE CANCER.

#### PRECAUTIONS

Avoid dust contact with ignition source. Avoid frequent or prolonged inhalation of wood dust. Protect eyes from flying particles. Avoid dust contact with skin and wash exposed areas.

#### FIRST AID

If inhaled, remove to fresh air. In case of contact, flush eyes and skin with water. If irritation persists, call a physician.

#### HANDLING AND STORAGE

Avoid frequent or prolonged inhalation of wood dust. Protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear.

Wood products are combustible and, therefore, should not be subjected to temperatures exceeding the autoignition temperature. Wet down wood dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

For additional information, see the Georgia-Pacific Wood Products LLC Material Safety Data Sheet for this product.

Product Safety and Health Information  
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**Disclaimer**

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Georgia-Pacific and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Georgia-Pacific and its subsidiaries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

**Effective Date**

05-Feb-2010

**Supersedes**

12-Jan-2009

**Prepared by**Georgia-Pacific LLC  
404.652.5119