

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

- Product Name** • LP OSB Sheathing, LP TopNotch Sub-Flooring, LP LongLength, LP LongLengthXL, LP SuperStruct
- Synonyms** • Oriented Strand Board; Waferboard; Waferwood
- Product Description** • 3/8", 7/16", 15/32", 1/2", 19/32", 5/8", 23/32", 3/4", 7/8", 1", 1-1/8", (nominal) thicknesses consisting of a composite wood substrate; 8', 9', 10', 24' lengths, 4' widths.

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified use(s)** • Wall and roof sheathing; sub-flooring; industrial applications

1.3 Details of the supplier of the safety data sheet

- Manufacturer** • Louisiana-Pacific Corporation
414 Union Street, Suite 2000
Nashville, TN 37219
United States
www.lpcorp.com

- Telephone (General)** • 877-744-5600

1.4 Emergency telephone number

- Manufacturer** • 615-986-5600

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., cutting, sanding, milling) that reduce its particle size. Those hazards are described below.

- CLP**
- Skin Sensitization 1 - H317
 - Respiratory Sensitization 1 - H334
 - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
 - Carcinogenicity 1A - H350

- DSD/DPD**
- Irritant (Xi)
 - Harmful (Xn)
 - Carcinogenic Substances - Category 1
 - R37, R42/43, R45

2.2 Label Elements

CLP

DANGER



- Hazard statements**
- H317 - May cause an allergic skin reaction
 - H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 - H335 - May cause respiratory irritation
 - H350 - May cause cancer.

Precautionary statements

- Prevention**
- P201 - Obtain special instructions before use.
 - P202 - Do not handle until all safety precautions have been read and understood.
 - P261 - Avoid breathing dust.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P281 - Use personal protective equipment as required.
 - P285 - In case of inadequate ventilation wear respiratory protection.

- Response**
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P321 - Specific treatment, see supplemental first aid information.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P363 - Wash contaminated clothing before reuse.
 - P308+P313 - IF exposed or concerned: Get medical advice/attention.

- Storage/Disposal**
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R37 - Irritating to respiratory system.
 - R42/43 - May cause sensitisation by inhalation and skin contact.
 - R45 - May cause cancer.

- Safety phrases**
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 - S53 - Avoid exposure - obtain special instructions before use.

2.3 Other Hazards

CLP

- May form combustible dust concentrations in air.
According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

- May form combustible dust concentrations in air.
According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., cutting, sanding, milling) that reduce its particle size. Those hazards are described below.

OSHA HCS 2012

- Skin Sensitization 1
- Respiratory Sensitization 1
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
- Carcinogenicity 1A
- Combustible Dust

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- May cause an allergic skin reaction
 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 - May cause respiratory irritation
 - May cause cancer.
 - May form combustible dust concentrations in air.

Precautionary statements

- Prevention**
- Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - Avoid breathing dust.
 - Use only outdoors or in a well-ventilated area.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - In case of inadequate ventilation wear respiratory protection.
- Response**
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 - Call a POISON CENTER or doctor/physician if you feel unwell.
 - If on skin: Wash with plenty of water.
 - Specific treatment, see supplemental first aid information.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - Wash contaminated clothing before reuse.
 - IF exposed or concerned: Get medical advice/attention.

- Storage/Disposal**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012

- Not applicable.

Canada
According to: WHMIS

2.1 Classification of the substance or mixture

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., cutting, sanding, milling) that reduce its particle size. Those hazards are described below.

- WHMIS • Other Toxic Effects - D2A
Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2A
Other Toxic Effects - D2B

2.3 Other hazards

- WHMIS • May form combustible dust concentrations in air.
In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

- This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., cutting, sanding, milling) that reduce its particle size. Those hazards are described above.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition			
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive
Wood Strands	NDA	39% TO 35%	EU DSD/DPD: Xi, R37, Xi, R42/43; C and 1, R45 EU CLP: Self Classified: Skin Sens 1, H317; Resp Sens 1 H334, STOT SE 3, H335; Carc 1A, H350 OSHA HCS 2012: Skin Sens 1, Resp Sens 1, STOT SE 3 (Respir Irrit), Carc 1A, Comb Dust
Phenol-Formaldehyde Resin Strands	CAS:9003-25-1	~ 7%	EU DSD/DPD: Exposure Limits EU CLP: Exposure Limits OSHA HCS 2012: Exposure Limits
Prepared Polyurethane Glue TM	NDA	~ 0.5%	EU DSD/DPD: Not relevant EU CLP: Not relevant OSHA HCS 2012: Not relevant
Tallow Wax TM	CAS:6600-10-1	~ 0.2%	EU DSD/DPD: Not relevant EU CLP: Not relevant OSHA HCS 2012: Not relevant

Paralim Wax ⁽¹⁾	CAS:8002-74-2 EC Number: 202-315-6	< 2%	EU DSD/DPD: Exposure limits EU CLP: Exposure limits OSHA HCS 2012: Exposure limits
Palm Wax ⁽²⁾	CAS:60514-74-9 EINECS:271-939-9	< 2%	EU DSD/DPD: Not relevant EU CLP: Not relevant OSHA HCS 2012: Not relevant
Release Agent	NDA	< 1%	EU DSD/DPD: Not relevant EU CLP: Not relevant OSHA HCS 2012: Not relevant
Edge Sealant	NDA	< 1%	EU DSD/DPD: Not relevant EU CLP: Not relevant OSHA HCS 2012: Not relevant

⁽¹⁾ This ingredient is a cured, inert and polymerized form of polymeric diphenylmethane diisocyanate (pMDI) adhesive. All pMDI has been reacted during the curing process to form polyurea/polyurethane solids.

⁽²⁾ One of the waxes listed above was used in the manufacturing process.

Key to abbreviations
NDA = No Data Available

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation** • IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin** • In case of contact with substance, wash with plenty of soap and water. If irritation develops and persists, get medical attention.
- Eye** • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion** • First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician** • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media** • Water, Dry Chemical, Sand and CO₂.
- Unsuitable Extinguishing Media** • None known.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- Hazardous Combustion Products** • No data available

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Use appropriate Personal Protective Equipment (PPE) Do not breathe dust. Avoid generating dust. Avoid contact with skin, eyes or clothing.
- Emergency Procedures**
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid activities that cause wood dust to become airborne.

6.2 Environmental precautions

- No special environmental precautions necessary.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Avoid generating dust. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Sweep up carefully to avoid generating airborne dust or use a vacuum rated for use with combustible dust. Place recovered wood dust in a container for proper disposal.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

- Handling**
- Minimize dust generation and accumulation. Do not use in areas without adequate ventilation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Provide adequate precautions, such as electrical grounding and bonding. Keep away from heat and ignition sources – No Smoking. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid prolonged and repeated contact with the skin.

7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a dry, well-ventilated place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Canada Alberta	Canada British Columbia	Canada Manitoba
Paraffin Wax (8J02-74-2)	TWAs	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)
Wood Strands	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA	Not established	10 mg/m3 TWA (total); 3 mg/m3 TWA (respirable)	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction)	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA

	(respirable particles, recommended) as <i>Particulates not otherwise classified (PNOC)</i> 0.5 mg/m3 TWA (inhalable fraction) as <i>Wood dust, western red cedar</i> 1 mg/m3 TWA (inhalable fraction) as <i>Wood dusts (all other wood dusts)</i>		as <i>Particulates not otherwise classified (PNOC)</i> 5 mg/m3 TWA (total) as <i>Wood dust, all soft and hard woods</i> 0.5 mg/m3 TWA (total) as <i>Wood dust, western red cedar</i>	as <i>Particulates not otherwise classified (PNOC)</i>	(respirable particles, recommended) as <i>Particulates not otherwise classified (PNOC)</i> 0.5 mg/m3 TWA (inhalable fraction) as <i>Wood dust, western red cedar</i> 1 mg/m3 TWA (inhalable fraction) as <i>Wood dusts (all other wood dusts)</i>
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Exposure Limits/Guidelines (Con't.)

	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario
Paraffin Wax (8002-74-2)	TWAs	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)
	STELs	Not established	6 mg/m3 STEL (fume)	Not established	6 mg/m3 STEL (fume)	Not established
Wood Strands	TWAs	3 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction); 10 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, inhalable fraction) as <i>Particulates not otherwise classified (PNOC)</i>	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass) as <i>Particulates not otherwise classified (PNOC)</i> 5 mg/m3 TWA as <i>Wood dust, all soft and hard woods</i>	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) as <i>Particulates not otherwise classified (PNOC)</i> 0.5 mg/m3 TWA (inhalable fraction) as <i>Wood dust, western red cedar</i> 1 mg/m3 TWA (inhalable fraction) as <i>Wood dusts (all other wood dusts)</i>	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass) as <i>Particulates not otherwise classified (PNOC)</i> 5 mg/m3 TWA as <i>Wood dust, all soft and hard woods</i>	10 mg/m3 TWA (inhalable); 3 mg/m3 TWA (respirable) as <i>Particulates not otherwise classified (PNOC)</i>
	STELs	Not established	10 mg/m3 STEL as <i>Wood dust, all soft and hard woods</i>	Not established	10 mg/m3 STEL as <i>Wood dust, all soft and hard woods</i>	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Canada Quebec	Canada Saskatchewan	Canada Yukon	Czech Republic	France
Paraffin Wax (8002-74-2)	TWAs	2 mg/m3 TWAEV (fume)	2 mg/m3 TWA	2 mg/m3 TWA (fume)	Not established	2 mg/m3 TWA [VME] (fume)
	STELs	Not established	4 mg/m3 STEL	6 mg/m3 STEL (fume)	Not established	Not established
Phenol-Formaldehyde Resin Solids (9003-35-4)	TWAs	Not established	Not established	Not established	5.0 mg/m3 TWA (dust)	Not established
Wood Strands	TWAs	10 mg/m3 TWAEV (including dust, inert or nuisance particulates;	10 mg/m3 TWA (insoluble or poorly soluble, inhalable fraction); 3 mg/m3	5 mg/m3 TWA (non-allergenic); 2.5 mg/m3 TWA (allergenic, including	Not established	1 mg/m3 TWA [VME] (restrictive limit) as <i>Wood dust, all soft</i>

		containing no Asbestos and <1% Crystalline silica, total dust) <i>as Particulates not otherwise classified (PNOC)</i> 5 mg/m3 TWAEV (except red cedar, containing no Asbestos and <1% Crystalline silica, total dust) <i>as Wood dust, all soft and hard woods</i> 2.5 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust); <i>as Wood dust, western red cedar</i>	TWA (insoluble or poorly soluble, respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	cedar, mahogany, teak) <i>as Wood dust, all soft and hard woods</i>		<i>and hard woods</i>
STELs	Not established		20 mg/m3 STEL (insoluble or poorly soluble, inhalable fraction); 6 mg/m3 STEL (insoluble or poorly soluble, respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 STEL (non-allergenic); 5 mg/m3 STEL (allergenic, including cedar, mahogany, teak) <i>as Wood dust, all soft and hard woods</i>	Not established	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Mexico	New Zealand	NIOSH	OSHA	Russia
Paraffin Wax (8002-74-2)	STELs	6 mg/m3 STEL [LMPE-CT] (fume)	Not established	Not established	Not established	Not established
	TWAs	2 mg/m3 TWA LMPE-PPT (fume)	2 mg/m3 TWA (fume)	2 mg/m3 TWA (fume)	Not established	Not established
Phenol-Formaldehyde Resin Solids (9003-35-4)	TWAs	Not established	Not established	Not established	Not established	6 mg/m3 TWA (aerosol)
Wood Strands	TWAs	Not established	3 mg/m3 TWA (respirable dust); 10 mg/m3 TWA (inhalable dust) <i>as Particulates not otherwise classified (PNOC)</i>	1 mg/m3 TWA <i>as Wood dust, all soft and hard woods</i>	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	6 mg/m3 TWA (containing <2% Silicon dioxide, aerosol, listed under Animal and plant origin dust) <i>as Wood dust, all soft and hard woods</i>

Exposure Control Notations

- Japan**
 *Wood Strands as Wood dust, all soft and hard woods: Carcinogens: (Group 1 - Carcinogenic to Humans)
- Russia**
 *Wood Strands as Wood dust, all soft and hard woods: Sensitizers: (Allergenic substance (listed under Animal and plant dust))
- ACGIH**
 *Wood Strands as Wood dust, western red cedar: Carcinogens: (A4 - Not Classifiable as a Human Carcinogen) | Sensitizers: (dermal sensitizer, respiratory sensitizer)

*Wood Strands as Wood dusts (all other wood dusts): Carcinogens: (A4 - Not Classifiable as a Human Carcinogen)

**Exposure Limits Supplemental
ACGIH**

*Paraffin Wax (8002-74-2): TLV Basis - Critical Effects: (nausea (fume); upper respiratory tract irritation (fume))

*Wood Strands as Wood dust, western red cedar: TLV Basis - Critical Effects: (asthma)

*Wood Strands as Wood dusts (all other wood dusts): TLV Basis - Critical Effects: (pulmonary function)

8.2 Exposure controls

**Engineering
Measures/Controls**

- Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment).

Personal Protective Equipment

Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear long sleeves and/or protective coveralls.

General Industrial

- Wash hands before eating. Ensure adequate ventilation during use.

Hygiene Considerations

Environmental

- Follow best practice for site management and disposal of waste.

Exposure Controls

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

MSHA = Mine Safety and Health Administration

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

LMPE = Maximum permissible exposure limit (Spanish)

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Split wood product
Color	White	Odor	Typical wood odor
Odor Threshold	Not Applicable		
General Properties			
Boiling Point	Not Applicable	Melting Point	Not Applicable
Decomposition Temperature	Not Applicable	pH	Not Applicable
Specific Gravity/Relative Density	Data lacking	Water Solubility	Not Applicable
Toxicity	Not Applicable	Explosive Properties	Data lacking
Oxidizing Properties	Data lacking		
Volatility			
Vapor Pressure	Not Applicable	Vapor Density	Not Applicable
Evaporation Rate	Not Applicable		
Flammability			

Flash Point	Not Applicable	UEL	Not Applicable
LEL	Not Applicable	Autoignition	200 to 260 C(392 to 503 F)
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Accumulation of dusts - mixtures of wood dust and air may be explosive when ignited. Ignition sources, heat.

10.5 Incompatible materials

- No data available

10.6 Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Other Material Information • This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., cutting, sanding, milling) that reduce its particle size. Those hazards are described below.

GHS Properties	Classification
Acute toxicity	EU/CLP*Data lacking OSHA HCS 2012*Data lacking
Aspiration Hazard	EU/CLP*Data lacking OSHA HCS 2012*Data lacking
Carcinogenicity	EU/CLP*Carcinogenicity 1A OSHA HCS 2012*Carcinogenicity 1A
Germ Cell Mutagenicity	EU/CLP*Data lacking OSHA HCS 2012*Data lacking
Skin corrosion/Irritation	EU/CLP*Data lacking OSHA HCS 2012*Data lacking
Skin sensitization	EU/CLP*Skin Sensitizer 1 OSHA HCS 2012*Skin Sensitizer 1

STOT-RE	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
STOT-SE	EU/CLP•Specific Target Organ Toxicity Single Exposure 3; Respiratory Tract Irritation OSHA HCS 2012•Specific Target Organ Toxicity Single Exposure 3; Respiratory Tract Irritation
Toxicity for Reproduction	EU/CLP•Data lacking OSHA HCS 2012•Data lacking
Respiratory sensitization	EU/CLP•Respiratory Sensitizer 1 OSHA HCS 2012•Respiratory Sensitizer 1
Serious eye damage/Irritation	EU/CLP•Data lacking OSHA HCS 2012•Data lacking

Medical Conditions • Disorders of the lungs.

Aggravated by Exposure

Potential Health Effects

Inhalation

- Acute (Immediate)** • Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible. Wood dust (generated from sawing, sanding or machining the product) may cause nasal dryness, irritation, coughing and sinusitis.
- Chronic (Delayed)** • Prolonged exposure to the dust may cause wheezing, chest tightness, productive cough, nasal irritation and symptoms of chronic respiratory disease. Wood dust, depending on the species, may cause respiratory sensitization with prolonged, repetitive contact or exposure to elevated dust levels.

Skin

- Acute (Immediate)** • Exposure to dust may cause mechanical irritation. May cause skin sensitization. Symptoms include redness and skin rash.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.
- Chronic (Delayed)** • No data available

Carcinogenic Effects

- According to its Twelfth Report on Carcinogens the National Toxicology Program states, "many case reports and epidemiological studies (including cohort studies and case-control studies that specifically addressed nasal cancer) have found a strong association between exposure to wood dust and cancer of the nasal cavity. Strong and consistent associations with cancer of the nasal cavity and paranasal sinuses were observed both in studies of people whose occupations were associated with wood-dust exposure and in studies that directly estimated wood dust exposure."

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- Material data lacking.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/MDG	NDA	Not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not applicable.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- Acute, Chronic

Component	CAS	State Right To Know		
		MA	NJ	PA
Palm Wax	68514-74-9	No	No	No
Paraffin Wax	8002-74-2	Yes	Yes	Yes
Phenol-Formaldehyde Resin Solids	9003-35-4	No	No	No
Tallow Wax	8030-12-4	No	No	No
Wood Strands	NDA	No	Yes	No

Inventory						
Component	CAS	Australia AICS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS
Palm Wax	88514-74-9	Yes	Yes	No	Yes	No
Paraffin Wax	8002-74-2	Yes	Yes	No	Yes	No
Phenol-Formaldehyde Resin Solids	9003-35-4	Yes	Yes	No	No	No
Tallow Wax	8030-12-4	Yes	Yes	No	Yes	No
Wood Strands	NDA	Yes	Yes	No	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	New Zealand	TSCA
Palm Wax	88514-74-9	Yes	Yes	Yes
Paraffin Wax	8002-74-2	Yes	Yes	Yes
Phenol-Formaldehyde Resin Solids	9003-35-4	Yes	Yes	Yes
Tallow Wax	8030-12-4	Yes	Yes	Yes
Wood Strands	NDA	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	88514-74-9	Not Listed

Australia - High Volume Industrial Chemicals List

•Paraffin Wax	8002-74-2	
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	88514-74-9	Not Listed

Australia - List of Designated Hazardous Substances - Classification

•Paraffin Wax	8002-74-2	Self classification required (uma)
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	88514-74-9	Not Listed

Australia - Work Health and Safety Regulations - Threshold Quantity at Major Hazard Facilities (Table 15.1)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	88514-74-9	Not Listed

Australia - Work Health and Safety Regulations - Threshold Quantity at Major Hazard Facilities (Table 15.2)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	88514-74-9	Not Listed

Australia - Western Australia - Hazardous Substances Prohibited for Specified Uses

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed

•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed
Australia - Western Australia - Hazardous Substances Requiring Health Surveillance		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Australia - Ozone Protection Act - Scheduled Substances		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Australia - Priority Existing Chemical Program		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Other

The Australia Group - Export Control List - Chemical Weapons Precursors		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances		
•Paraffin Wax	2902-74-2	Uncontrolled product according to WHMIS classification criteria
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Canada - WHMIS - Ingredient Disclosure List		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Environment

Canada - CEPA - Priority Substances List		
•Paraffin Wax	2902-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8000-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	69514-74-9	Not Listed

Canada Alberta

Environment

Canada - Alberta - Ambient Air Quality Objectives

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada - Alberta - Ambient Air Quality Guidelines

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada - Alberta - Water Quality Guidelines for Freshwater Aquatic Life - Acute

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada - Alberta - Water Quality Guidelines for Freshwater Aquatic Life - Chronic

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada British Columbia

Environment

Canada - British Columbia - Ozone Depleting Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada Manitoba

Environment

Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 1

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 2

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada New Foundland

Environment

Canada - Newfoundland & Labrador - Halocarbon Regulations - Schedule A

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8039-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-0	Not Listed

Canada - Newfoundland & Labrador - Halocarbon Regulations - Schedule B

•Paraffin Wax	8002-74-2	Not Listed
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•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
Canada - Newfoundland & Labrador - Halocarbon Regulations - Schedule C		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
Canada - Newfoundland & Labrador - Halocarbon Regulations - Schedule D		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
Canada - Newfoundland & Labrador - Halocarbon Regulations - Schedule E		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada Northwest Territories

Other

Canada - Northwest Territories - Ozone Depleting Substances and Halocarbon Alternatives		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada Nova Scotia

Environment

Canada - Nova Scotia - Ozone Layer Protection Regulations		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada Ontario

Environment

Canada - Ontario - Airborne Contaminant Reporting - Table 2A		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
Canada - Ontario - Airborne Contaminant Reporting - Table 2B		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
Canada - Ontario - Drinking Water Standards - Aesthetic Objectives (AO)		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Ontario - Drinking Water Standards - Interim Maximum Acceptable Concentrations (IMAC)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Ontario - Drinking Water Standards - Maximum Acceptable Concentration (MAC)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Ontario - Drinking Water Standards - Operational Guidelines (OG)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 1 Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 2 Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Halocarbons

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada Saskatchewan

Environment

Canada - Saskatchewan - Dangerous Goods - Acute Hazardous Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Saskatchewan - Dangerous Goods - Environmental Persistent or Chronic Hazardous Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Canada - Saskatchewan - Dangerous Goods - Industrial Hazardous Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Other

Canada - Substances Regulated Under F&DA That Were in Commerce Between 1/1/84 and 12/31/88

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-05-4	Not Listed

•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed

Canada Yukon

Environment

Canada - Yukon - Ozone Depleting Substances and Other Halocarbons		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed

Japan

Labor

Japan - ISHL Dangerous Substances		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed
Japan - ISHL Designated Carcinogens		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	5003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	6814-74-9	Not Listed
Japan - ISHL Prevention of Lead Poisoning		

•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
Japan - ISHL Mutagens - Existing Chemicals		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Environment

Japan - Air Pollution Control Law - Emission Standards for Air Pollutants		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Japan - Environmental Quality Standards - Annual Air Quality		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Japan - Environmental Quality Standards - Daily Air Quality		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Japan - Environmental Quality Standards - Soil Pollution		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Japan - Environmental Quality Standards - Public Water/Groundwater - Monitored Substances and Guideline Values		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Japan - Environmental Quality Standards - Public Water - Protection of Human Health		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Other

Japan - Drinking Water Quality Standards - Supplied Water Quality Standard Values		
•Paraffin Wax	3002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed

•Paraffin Wax	8002-74-2	Not Listed
Japan - Chemical Substance Control Law (CSCL) - Examined Existing Chemical Substances		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed
Japan - Fire Service Law - Hazardous Materials		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed
Japan - Harmful Substances in Household Products		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed
Japan - Chemical Substance Control Law (CSCL) - Specified Chemical Substances		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed

Netherlands

Other

Netherlands - List of Carcinogens

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed

Netherlands - Major Accidents - Qualifying Quantities for Accident Prevention

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed

Netherlands - Major Accidents - Qualifying Quantities for Safety Reporting

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed

New Zealand

Other

New Zealand - Ozone Depleting Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Paraffin Wax	8002-74-2	Not Listed

Russia

Labor

Russia - Limiting Quantities of Hazardous Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed

•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - OSHA - Specifically Regulated Chemicals		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		carcinogen, initial date 12/13/00
•Palm Wax	68514-74-9	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

•Paraffin Wax	8002-74-2	Not Listed
•Phenol-Formaldehyde Resin Solids	9003-35-4	Not Listed
•Tallow Wax	8030-12-4	Not Listed
•Wood Strands as Wood dust, all soft and hard woods		Not Listed
•Palm Wax	68514-74-9	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date • 05/May/2015
Preparation Date • 06/November/2013

Disclaimer/Statement of Liability • This SDS is intended solely for safety education and not for use as specifications or warranties. The information in this SDS was obtained from usually reliable sources and is provided without any representation for warranties regarding the accuracy or correctness. Since the handling, use, and storage is beyond our control, LP assumes no responsibility and disclaims liability for any loss, damage, or expense arising therefrom.

LP OSB Sheathing, LP TopNotch Sub-Flooring, LP LongLength, LP LongLengthXL, LP SuperStruct



Danger

H350 May cause cancer.

May form combustible dust concentrations in air.

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

Precaution:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust, fume, gas, mist, vapours and/or spray.

P271 Use only outdoors or in a well-ventilated area.

P285 In case of inadequate ventilation wear respiratory protection.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P322 Specific measures, see supplemental first aid information.

P363 Wash contaminated clothing before reuse.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P501 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.;

Louisiana-Pacific Corporation

1. Identification

Product identifier

Product list

WOOD AND WOOD PRODUCTS

Engineered Lumber (I-joists, Laminated Veneer Lumber (LVL), Rim board):- Wood I Beam™ joists, GP Lam® LVL, FiberStrong® rim board

Lumber Products:- Solid sawn wood, Dimension Lumber, Lumber, Studs

Plywood:- Plytanium® plywood, DryPly® plywood, Plytanium® siding, Ply-Bead® panels, PlyFrame® panels, PlyForm panels

Oriented Strand Board (OSB):- Blue Ribbon® OSB (Mill #451,500), Thermostat® radiant barrier sheathing (Mill #500), FiberStrong® HD panels (Mill #451, 500), Camouflage panels featuring Mossy Oak® brand (Mill #500), Realtree® camouflage panels (Mill #500)

Engineered Boards:- Hardboard panels (Standard, Tempered, Perforated, Paneling), Decorative wall coverings, UltraStrate® industrial panels, HeartWood® pen mats, HushBoard® sound deadening panels, FiberBase HD Excel™, FiberBase HD™, FiberBase RD™, QuietBrace® structural sheathing, Regular fiberboard sheathing, FiberPine™ industrial panels

Other means of identification

SDS number

GP-31A

Recommended use

Building Materials - Structural, Industrial or Decorative

Recommended restrictions

None known.

Manufacturer/Importer/Supplier/Distributor Information

Company name

Georgia-Pacific Wood Products LLC

Address

133 Peachtree Street, NE
Atlanta, GA 30303

Telephone

Technical Information 800.284.5347

MSDS Request 404.652.5119

E-mail

Not available.

Emergency phone number

Chemtrec - Emergency 800.424.9300

2. Hazard(s) identification

Emergency overview

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities (e.g., grinding, sanding, cutting, pulverizing) that reduce its particle size. Those hazards are described below.

Physical hazards

Not classified.

Health hazards

Eye irritation	Category 2B
Sensitization, respiratory	Category 1
Sensitization, skin	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

Environmental hazards

Not classified.

OSHA defined hazards

Combustible dust

Label elements



Signal word

Danger

Hazard statement	Causes eye irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause cancer. If small particles of wood dust are generated during further processing, handling or by other means, may form combustible dust concentrations in air.
Precautionary statement	
Prevention	Do not handle until all safety precautions have been read and understood. Wear protective gloves. In case of inadequate ventilation wear respiratory protection. Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor or other qualified medical professional. In case of fire: Use appropriate media to extinguish.
Storage	Store away from strong acids, alkalies, oxidizing agents and drying oils.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
WOOD/WOOD DUST		Not Assigned	60 - 100
Other components below reportable levels			15 - 40

The specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition comments 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

Inhalation	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.
Skin contact	If irritation develops, wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	If wood or wood dust is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. May cause an allergic skin reaction. Dermatitis. Rash. May cause respiratory irritation. Difficulty in breathing.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable extinguishing media	Heavy water (or jet) stream may cause dust to become airborne and create a flash fire hazard or an explosive atmosphere.
Specific hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

Material name: WOOD AND WOOD PRODUCTS

4424 Version #: 04 Revision date: March-31-2016 Issue date: May-21-2015

SOSUS

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Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/Instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods To avoid dust clouds, responders should use the extinguisher from as far away as possible and apply the extinguishing agent as gently as possible. The main considerations with hose stream operation are to avoid creating combustible dust clouds or introducing more air. In particular, the use of solid streams and direct dust pile hits can disperse dust into the air creating a potential flash fire hazard. The best way to apply water is in a medium to wide-pattern, as gently as possible. Responders should use a low nozzle pressure and loft the stream onto the burning material from as far away as the stream will reach. The use of wide-pattern (or "fog") streams at pressures typically used.

General fire hazards May form combustible dust concentrations in air.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Vacuum dust with dust ignition proof 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 (e.g. water mist) and prevent scattering by moistening with water. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Dust can form an explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. If flash fire or explosion hazard is present, wear flame resistant clothing and face/head protection. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Use personal protective equipment as required. Ensure dust collection systems used for conveying combustible wood dusts are protected with and equipped with fire and explosion prevention and protection equipment. See NFPA 664 and NFPA 69 for further requirements, information and guidance.

Conditions for safe storage, including any incompatibilities Store flat, supported and protected from direct contact with the ground. Store away from incompatible materials (see Section 10 of the SDS). Store in a cool dry place.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
WOOD/WOOD DUST	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

ACGIH Components	Type	Value	Form
WOOD/WOOD DUST	TWA	1 mg/m3	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards Components	Type	Value	Form
WOOD/WOOD DUST	TWA	1 mg/m3	Dust.

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines	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 ³ (Total Dust) and 5 mg/m ³ (Respirable Fraction).
Appropriate engineering controls	Due to the fire and explosive potential of dust when suspended in air, precautions should be taken when material is used in any operation which may generate dust. Local exhaust, general dilution ventilation in enclosed areas, and explosion proof equipment is recommended. Use wet methods, if appropriate, to reduce airborne dust concentrations.
Individual protection measures, such as personal protective equipment	
Eye/face protection	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.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	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).
Thermal hazards	Wear appropriate thermal protective clothing (i.e. flame resistant clothing and head/face protection), when potential flash fire or explosion hazards are present.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	Rigid boards or panels
Physical state	Solid.
Form	Solid wood
Color	Various
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	> 40 g/m ³ for wood dust. Note: The LEL is equivalent to the Minimum Explosive Concentration (MEC) for the combustible dust. The MEC will vary with particle size of the wood dust. Recommend MEC testing for specific wood dust particle sizes generated or handled.
Flammability limit - upper (%)	Not available
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	Variable
Solubility(ies)	
Solubility (water)	Insoluble

Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	399.92 - 500 °F (204.4 - 260 °C) for wood
Decomposition temperature	Not available
Viscosity	Not available.
Other information	
Bulk density	Not applicable
Flash point class	Combustible

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Dust accumulation, dispersion of dust in air, high temperatures, open flame, sparks, or other sources of ignition.
Incompatible materials	Strong acids, alkalies, oxidizing agents and drying oils.
Hazardous decomposition products	Thermal decomposition may emit irritating fumes or gases of carbon monoxide, carbon dioxide, aldehydes, or organic acids.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of dusts may cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if dust inhaled. Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes eye irritation.
Ingestion	Not applicable under normal conditions of use. May result in obstruction or temporary irritation of the digestive tract.

Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. May cause an allergic skin reaction. Dermatitis. Rash. May cause respiratory irritation. Difficulty in breathing.
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Information on toxicological effects

Acute toxicity	May cause an allergic skin reaction. May cause respiratory irritation.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization	May cause an allergic skin reaction.

Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
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Carcinogenicity	Wood dust generated from sawing, sanding or machining this product may cause nasal dryness, irritation, coughing and sinusitis. The International Agency for Research on Cancer (IARC), and National Toxicology Program (NTP) classifies 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 cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon, or rectum with exposure to wood dust.
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IARC Monographs. Overall Evaluation of Carcinogenicity

WOOD/WOOD DUST (CAS Not Assigned) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

WOOD/WOOD DUST (CAS Not Assigned) Known To Be Human Carcinogen.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
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Specific target organ toxicity - single exposure May cause respiratory irritation.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not an aspiration hazard.
Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential No data available.
Mobility in soil No data available.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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.
Local disposal regulations Dispose in accordance with all applicable regulations.
Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products Dispose of in accordance with local regulations.
Contaminated packaging Empty packaging/container can be disposed in accordance with all applicable regulations.

14. Transport information

DOT Not regulated as dangerous goods.
IATA Not regulated as dangerous goods.
IMDG Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.
SARA 304 Emergency release notification Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated.
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
SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130) Hazardous substance

68.130)

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances, CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

WOOD/WOOD DUST (CAS Not Assigned)

US. Pennsylvania Worker and Community Right-to-Know Law

WOOD/WOOD DUST (CAS Not Assigned)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Proposition 65. WARNING: This product contains chemicals known to the state of California to cause cancer. Drilling, sawing, sanding or machining wood products generates wood dust and titanium dioxide particles, both chemicals are known to the state of California to cause cancer. Avoid inhaling such dust and particles; use a dust mask or other safeguards for personal protection.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

WOOD/WOOD DUST (CAS Not Assigned) Listed: December 18, 2009

International inventories

Country(s) or region	Inventory name	On Inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

16. Other information, including date of preparation or last revision

Issue date May-21-2015
Revision date March-31-2016
Version # 04
Further information © is a Registered Trademark of Georgia-Pacific Wood Products LLC

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Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

HMIS® ratings

Health: 2*
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.

Revision information

Product and Company Identification: Product Codes

WOOD AND WOOD PRODUCTS

Hazard statement

Causes eye irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause cancer. If small particles of wood dust are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

Precautionary statement

Prevention

Do not handle until all safety precautions have been read and understood. Wear protective gloves. In case of inadequate ventilation wear respiratory protection. Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard.

Response

In eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor or other qualified medical professional. In case of fire: Use appropriate media to extinguish.

Storage

Keep away from strong acids, alkalis, oxidizing agents and drying oils.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.



Danger

Product list:

Engineered Lumber (I-joists, Laminated Veneer Lumber (LVL), Rim board):- Wood I Beam™ joists, GP Lam® LVL, FiberStrong® rim board

Lumber Products:- Solid sawn wood, Dimension Lumber, Lumber, Studs

Plywood:- Plytanium® plywood, DryPly® plywood, Plytanium® siding, Ply-Bead® panels, PlyFrame® panels, PlyForm panels

Oriented Strand Board (OSB):- Blue Ribbon® OSB (Mill #451,500), Thermostat® radiant barrier sheathing (Mill #500), FiberStrong® HD panels (Mill #451, 500), Camouflage panels featuring Mossy Oak® brand (Mill #500), Realtree® camouflage panels (Mill #500)

Engineered Boards:- Hardboard panels (Standard, Tempered, Perforated, Paneling), Decorative wall coverings, UltraStrate® industrial panels, HeartWood® pen mats, HushBoard® sound deadening panels, FiberBase HD Excel™, FiberBase HD™, FiberBase RD™, QuietBrace® structural sheathing, Regular fiberboard sheathing, FiberPine® industrial panels

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