SAFETY DATA SHEET



1. Identification

Product identifier WOOD AND WOOD PRODUCTS

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

Other means of identification

GP-31A SDS number

Recommended use Building Materials - Structural, Industrial or Decorative

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Georgia-Pacific Wood Products LLC Company name

133 Peachtree Street. NE **Address**

Atlanta, GA 30303

Telephone **Technical Information** 800.284.5347

MSDS Request 404.652.5119

E-mail Not available.

Chemtrec - Emergency 800.424.9300 **Emergency phone number**

2. Hazard(s) identification

This product is not hazardous in the form in which it is shipped by the manufacturer but may **Emergency overview**

become hazardous by downstream activities (e.g., grinding, sanding, cutting, pulverizing) that

reduce its particle size. Those hazards are described below.

Not classified. Physical hazards

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



Danger Signal word

Material name: WOOD AND WOOD PRODUCTS SDS US

May cause an allergic skin reaction. Causes eye irritation. May cause allergy or asthma symptoms **Hazard statement**

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

Obtain special instructions before use. Do not handle until all safety precautions have been read Prevention

and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard. Keep away from heat/sparks/open flames/hot surfaces. -

No smokina.

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 poison center/doctor. If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the

SDS).

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

Hazard(s) not otherwise classified (HNOC)

Storage

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

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

Remove from area of exposure. If the affected person is not breathing, apply artificial respiration. If Inhalation

persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.

If irritation develops, wash with soap and water. If skin irritation or rash occurs: Get medical Skin contact

advice/attention. Wash contaminated clothing before reuse.

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove Eye contact

contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation

develops and persists.

If wood or wood dust is swallowed, get immediate medical attention or advice -- Do not induce Ingestion

vomiting.

Most important

symptoms/effects, acute and

delaved

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 **General information** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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. Avoid high pressure media which could cause the

formation of a potentially explosible dust-air mixture.

Unsuitable extinguishing media

Heavy water (or jet) stream may cause dust to become airborne and create a flash fire hazard or an explosive atmosphere.

Material name: WOOD AND WOOD PRODUCTS

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.

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.

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

ACGIH

Components	Туре	Value	Form
WOOD/WOOD DUST	TWA	1 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to Ch	emical Hazards		
Components	Туре	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/m3 (Total Dust) and 5 mg/m3 (Respirable Fraction).

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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

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove **Hand protection**

supplier.

Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Other

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)).

A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or Respiratory protection

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

Wear appropriate thermal protective clothing (i.e. flame resistant clothing and head/face Thermal hazards

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

Rigid boards or panels **Appearance**

Physical state Solid. **Form** Solid wood Color Various Odor Not available.

Odor threshold Not available. Not applicable pН Melting point/freezing point Not applicable Initial boiling point and boiling Not applicable

range

Flash point Not applicable **Evaporation rate** Not applicable Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

> 40 g/m3 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 Not applicable Vapor density Relative density Variable

Solubility(ies)

Solubility (water) Insoluble Partition coefficient Not applicable

(n-octanol/water)

399.92 - 500 °F (204.4 - 260 °C) for wood **Auto-ignition temperature**

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Decomposition temperature Not available **Viscosity** Not available.

Other information

Bulk densityNot applicableExplosive propertiesNot explosive.Flash point classCombustibleOxidizing propertiesNot oxidizing.

10. Stability and reactivity

ReactivityThe 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 May cause irritation to the respiratory system. May cause allergy or asthma symptoms or

breathing difficulties if 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. Dusts may irritate the respiratory tract, skin and eyes. Difficulty in breathing. May cause an allergic skin

reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not available.

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 mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

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.

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 toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - May cause respiratory irritation.

single exposure

(nocure

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Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. **Chronic effects**

12. Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity**

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

No data is available on the degradability of this product. Persistence and degradability

Bioaccumulative potential No data available. No data available. Mobility in soil

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

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, **Disposal instructions**

whether the product meets RCRA criteria for hazardous waste.

Dispose in accordance with all applicable regulations. Local disposal 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

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes **Hazard categories**

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes

chemical

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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 Hazardous substance

68.130)

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

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 regionInventory nameOn inventory (yes/no)*CanadaDomestic Substances List (DSL)YesUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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

Issue dateMay-21-2015Revision dateMay-29-2017

Version # 05

Further information 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 informationThis document has undergone significant changes and should be reviewed in its entirety.

Material name: WOOD AND WOOD PRODUCTS

^{*}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).

WOOD AND WOOD PRODUCTS

-lazard statement

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revention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Prevent dust accumulation and airborne dispersion of dust to minimize flash fire and explosion hazard. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Response

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Storage

Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Disposal

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

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Georgia-Pacific Wood Products LLC 133 Peachtree Street, NE Atlanta, GA 30303 Chemtrec - Emergency: 800.424.9300



Supplemental information

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.

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