



MATERIAL SAFETY DATA SHEET

Effective Date: 5/8/00
Supersedes Date: 3/20/97

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: Wood and Wood Products - Non Urea-Formaldehyde Bonded
Softwood Plywood
Oriented Strand Board (OSB)
Imported Exterior Hardwood Plywood
Hardboard (Standard, Tempered or Perforated)
Moldable Mat
Cellulosic Wood Fiber Insulating Board (Softboard)
Wood Siding
Moulding
Millwork
Lumber
Engineered Lumber (LVL, Glulam, WOOD-I-BEAM™, etc.)

PRODUCT USE: Building materials - structural, industrial or decorative

MANUFACTURER/DISTRIBUTOR: Georgia-Pacific Corporation
133 Peachtree Street, N.E.
Atlanta, GA 30303
(404)652-5119 (MSDS Request)

SECTION 2. COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS

| <u>COMPONENT</u> | <u>% WT.</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|------------------|--------------|----------------|-----------------|------------------|
|------------------|--------------|----------------|-----------------|------------------|

No hazardous ingredients

See Section 8 for exposure limits for wood dust generated from sawing, sanding or machining the product.

Some hardwood lumber is dipped with an insecticide, pesticide and/or sap stain control. The lumber is then air or kiln dried. No chemical residue is left on the surface of the board.

SECTION 3. HAZARDS IDENTIFICATION

DESCRIPTION: Solid wood, such as lumber, and wood products, such as softwood plywood, not bound with a urea-formaldehyde resin.

EMERGENCY OVERVIEW

Sawing, sanding or machining wood products can produce wood dust which can cause an explosion hazard. Wood dust may cause eye, nose and throat irritation.

POTENTIAL HEALTH EFFECTS

INHALATION: Wood dust may cause nasal dryness, irritation, coughing and sinusitis. Repeated exposures (even below 5mg/m³) to certain wood dusts such as Western Red Cedar, can produce allergic responses in some sensitive individuals.

EYE CONTACT: Wood dust can cause mechanical irritation.

SKIN CONTACT: Various species of wood dust may evoke allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to wood dust or wood-based products.

INGESTION: Not applicable under normal conditions of use.

SECTION 4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.

EYE CONTACT: Remove contact lenses. Flush eyes, including under eyelids, with large amounts of water. If irritation persists, get medical attention.

SKIN CONTACT: Wash affected areas with soap and water. If rash or persistent irritation or dermatitis occurs, get medical attention.

INGESTION: Not applicable under normal conditions of use.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable.

EXPLOSIVE LIMITS: Sawing, sanding or machining wood products can produce wood dust as a by-product. Wood dust is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. 212°F (100°C) has been suggested as the upper temperature limit for continuous exposure for wood without risk of ignition (wood dust may require a still lower temperature). An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lowest explosion limit (LEL) for wood dust.

HAZARDOUS COMBUSTION PRODUCTS: Thermal-oxidative degradation, or burning, of wood can produce irritating and potentially toxic fumes and gases including carbon monoxide, aldehydes and organic acids.

AUTOIGNITION TEMPERATURE: 400°-500°F (204°-260°C)

FIRE EXTINGUISHING MEDIA: Water. Partially burned dust is especially hazardous if dispersed into the air. Remove burned or wet dust to open area after fire is extinguished.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Not applicable for product in purchased form. Sweep or vacuum dust for recovery or disposal. Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust.

SECTION 7. HANDLING AND STORAGE

HANDLING: See Section 15 "Label Text."

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Due to the explosive potential of wood dust when suspended in air, precautions should be taken during sanding, sawing or machining of wood products to prevent sparks or other ignition sources in ventilation equipment. Use of totally enclosed motors is recommended. Provide local exhaust as necessary to meet OSHA requirements for wood dust exposure.

RESPIRATORY PROTECTION: Wear NIOSH/OSHA approved respirator when the permissible exposure limits to wood dust may be exceeded.

EYE PROTECTION: Recommend goggles or safety glasses as conditions indicate when sawing, sanding or machining wood products.

SKIN PROTECTION: Protective equipment such as gloves and outer garments may be needed to reduce skin contact.

Following are wood dust exposure limits which are in accord with those recommended by OSHA in the 1989 revision of PELs.

| <u>WOOD SPECIES</u> | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|------------------------------------|----------------|--|--|
| Softwoods | NONE | 5 mg/m ³ TWA 10 mg/m ³ STEL | 5 mg/m ³ TWA 10 mg/m ³ STEL |
| Western Red Cedar | NONE | 2.5 mg/m ³ TWA | 1 mg/m ³ TWA |
| Hardwoods except Western Red Cedar | NONE | 5 mg/m ³ TWA 10 mg/m ³ STEL | 1 mg/m ³ TWA |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light tan to dark tan. Color and odor are dependent upon wood species.

| | | | |
|------------------------|-----------------|-----------------------------|-----------------|
| PHYSICAL STATE: | Solid. | BOILING POINT: | Not Applicable. |
| PH | Not Applicable. | MELTING POINT: | Not Applicable. |
| VAPOR PRESSURE: | Not Applicable. | SOLUBILITY IN WATER: | Insoluble. |
| VAPOR DENSITY: | Not Applicable. | SPECIFIC GRAVITY: | < 1.0 |

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Wood dust generated from sawing, sanding or machining the product is extremely combustible. Keep in cool dry place away from ignition sources.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents and drying oils.

HAZARDOUS COMBUSTION PRODUCTS: Thermal-oxidative degradation, or burning, of wood can produce irritating and potentially toxic fumes and gases including carbon monoxide, aldehydes and organic acids.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

WOOD DUST: Wood dust generated from sawing, sanding or machining this product may cause nasal dryness, irritation, coughing and sinusitis. Wood dust is not considered a potential cancer hazard by OSHA or the National Toxicology Program (NTP). The International Agency for Research on Cancer (IARC) classifies wood dust as a carcinogen to humans (Group I). This classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust.

SECTION 12. DISPOSAL CONSIDERATIONS

This product is not considered hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, state and local requirements for waste disposal may be different from federal regulations.

Incinerate or landfill in accordance with local, state and federal regulations.

SECTION 13. TRANSPORT INFORMATION

This product is not a DOT hazardous material.

SECTION 14. REGULATORY INFORMATION

OSHA: Wood products are not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, wood dust generated by sawing, sanding or machining these products may be hazardous.

TSCA: This product complies with TSCA inventory requirements.

SARA 313: None.

CANADIAN WHMIS: These products are not considered controlled products.

SECTION 15. OTHER INFORMATION

LABEL TEXT:

Wood Products
CAUTION!

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

WOOD DUST MAY CAUSE LUNG, UPPER RESPIRATORY TRACT, EYE AND SKIN IRRITATION. SOME WOOD SPECIES MAY CAUSE DERMATITIS AND/OR RESPIRATORY ALLERGIC EFFECTS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED WOOD DUST AS A NASAL CARCINOGEN IN HUMANS.

Avoid dust contact with ignition source.

Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust.

Avoid breathing dust.

Avoid dust contact with eyes and skin.

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

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

Product Safety and Health Information
Georgia-Pacific Corporation
P.O. Box 105605
Atlanta, GA 30348-5605

HMIS RATING: Health - 0; Flammability - 1; Reactivity - 0

MSDS REVISION SUMMARY: Change in Effective Date only

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

This Material Safety Data Sheet is being furnished for similar wood products produced by different manufacturers. Consult labels, stamps and markings on the product or packaging for the exact identity of the manufacturer.

7/19/95 30/31/34
1/22/96 1
3/20/97 31

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