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FREEMAN Mfg. & Supply Co.
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MATERIAL SAFETY DATA SHEET

**WOOD AND WOOD PRODUCTS
 (NON UREA-FORMALDEHYDE BONDED)
 MATERIAL SAFETY DATA SHEET #3
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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME..... Wood and Wood Products
 (Non Urea-Formaldehyde Bonded)
MANUFACTURER / DISTRIBUTOR:
 Georgia-Pacific Corporation
 133 Peachtree Street, N.E.
 Atlanta, GA 30303
 (404) 652-5119 - Information

SECTION II - HAZARDOUS INGREDIENTS

None, however, sawing, sanding or machining wood products can produce wood dust as a byproduct.

SECTION III - PHYSICAL PROPERTIES

APPEARANCE AND ODOR Light to dark colored granular solid. Color and odor is dependent on the wood species.
MOLECULAR WEIGHT Not Applicable
BOILING POINT (DEGREES FAHRENHEIT)..... Not Applicable
MELTING POINT (DEGREES FAHRENHEIT) Not Applicable
VAPOR PRESSURE (mm of mercury) Not Applicable
SPECIFIC GRAVITY (WATER = 1)..... <1
VAPOR DENSITY (AIR = 1) Not Applicable
PERCENT VOLATILE (BY WEIGHT) Not Applicable
pH Not Applicable
SOLUBILITY IN WATER Insoluble
EVAPORATION RATE (BUTYL ACETATE = 1) Not Applicable

SECTION IV - FIRE AND EXPLOSION DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sawing, sanding or machining wood products can produce wood dust as a byproduct. Wood dust is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. Partially burned dust is especially hazardous if dispersed in air. 212° F 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.

FLASH POINT Not Applicable
FIRE EXTINGUISHING MEDIA: Use a water spray to wet down wood dust to reduce the likelihood ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire is out.

PRIMED MASONITE

SECTION V - REACTIVITY DATA

STABILITY Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents and drying oils.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal-oxidative degradation of wood produces irritating and toxic fumes and gases including carbon monoxide, aldehydes and organic acids.
HAZARDOUS POLYMERIZATION Will not occur
CONDITIONS TO AVOID: Wood dust is extremely combustible. Keep in cool, dry place away from ignition sources.

SECTION VI - HEALTH HAZARD INFORMATION

<u>COMPONENT</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Wood Dust (1)	5 mg/m ³ (2) 10 mg/m ³ (3)	5 mg/m ³ (2) 10 mg/m ³ (3)
Wood Dust (4)	NA	2.5 mg/m ³ (2)
Wood Dust (5)	1 mg/m ³ (2)	NA

- (1) All soft and most hardwoods except Western Red Cedar, Beech and Oak
- (2) 8 Hour TWA
- (3) STEL
- (4) Western Red Cedar
- (5) Certain hardwoods such as beech and oak
- NA = Not Applicable

EFFECTS OF OVEREXPOSURE: Avoid prolonged or repeated breathing of wood dust in air. Repeated exposures (even below 5 mg/m³) to certain wood dusts, such as western red cedar, can produce allergenic responses in some sensitive individuals. Avoid repeated or prolonged contact with the skin, which can also cause allergenic responses. If allergy, such as dermatitis, asthma, or bronchitis develops, it may be necessary to remove the sensitized worker from further exposure to wood dust (and also, perhaps to wood-based products like turpentine and rosin).

PROBABLE ROUTES OF EXPOSURE..... Inhalation, skin.

EMERGENCY AND FIRST AID PROCEDURES:

- INGESTION:** Not applicable under normal use.
- INHALATION:** Remove to fresh air. If persistent irritation, severe coughing, breathing difficulties, or rash occur, get medical advice before returning to work with wood dust.
- EYE CONTACT:** Flush with water to remove dust particles from the eye. If irritation persists, get medical attention.
- SKIN CONTACT:** If a rash, or persistent irritation or dermatitis occurs get medical advice before returning to work where wood dust is present.

SECTION VII - TOXICITY DATA

ORAL Not Available

DERMAL: The chronic effects of skin contact with wood dust vary from one wood species to another; however, various species of wood dust can elicit allergic contact dermatitis in sensitized individuals.

INHALATION: Wood dust may cause nasal dryness, irritation, coughing and sinusitis. Prolonged exposure to certain species of wood dust has been associated with nasal cancer in British furniture workers.

CARCINOGENICITY: Not listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

OTHER PERTINENT DATA: Certain species of woods, e.g. boxwood, cashew, mahogany, western red cedar, yew, rosewood, satinwood, and teak, are known to cause skin, eye and upper respiratory tract irritation along with allergenic responses and asthma (Patty, pg. 1218).

SECTION VIII - SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT*

PROTECTIVE CLOTHING: Recommend gloves, as necessary, to reduce skin contact, except where moving machinery parts expose fingers to hazards. Recommend the use of outer garments to reduce exposure of skin to wood dust.

EYE PROTECTION: Recommend goggles or safety glasses as conditions indicate when machining this product.

RESPIRATORY PROTECTION (SPECIFIC TYPE): Recommend approved dust respirator as conditions indicate when machining this product.

*Protective equipment may be warranted at low exposure levels, depending on species of wood dust exposure.

VENTILATION

LOCAL EXHAUST: As necessary to meet OSHA requirements. Due to the explosive potential of wood dust when suspended in air, precautions should be taken to prevent sparks or other ignition source in ventilation equipment. Use of totally enclosed motors is recommended.

SECTION IX - SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Vacuum up dust for recovery or disposal. Avoid dusty conditions. Provide good ventilation. Place recovered wood dust in a

container for proper disposal. Avoid sweeping to prevent creation of airborne dust.

WASTE DISPOSAL METHODS: Dispose in a landfill or incinerate. Follow applicable federal, state or local regulations.

SECTION X - REGULATORY INFORMATION

TSCA Not listed on TSCA inventory
DOT Not regulated

SECTION XI - SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid hot, humid storage or contact with drying oils (spontaneous heating is possible). Partially burned or scorched wood dust can be hazardous to store.

Avoid generation of explosive levels of wood dust in the air.

Follow good housekeeping practices; vacuum up areas where wood dust settles to avoid excessive accumulation of this combustible material.

Follow good hygienic practices; wash hands frequently and wear clean work clothing.

EFFECTIVE DATE 03/11/94 **SUPERSEDES** 07/11/94

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

WOOD DUST

CAUTION!

FLAMMABLE

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.

- ✧ **Avoid dust contact with ignition source.**
- ✧ **Sweep or vacuum dust for recovery and disposal.**
- ✧ **Avoid prolonged or repeated breathing of wood dust in air.**
- ✧ **Avoid dust contact with eyes and skin.**
- ✧ **FIRST AID: If inhaled, remove to fresh. In case of contact, flush eyes with water and skin with water.**

For additional information, refer to Material Safety Data Sheet



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