



# Material Safety Data Sheet

## SECTION I - PRODUCT & COMPANY IDENTIFICATION

Product name and Binnungs item No	Finger Joint Lamella Timber Boards of Oak and Beech
	8330041 Beech Panel 26 x 2200 x 600 mm
	8330198, 8330199, 8330200, 8330201, 8330202, 8330203, 8330204, 8330205
Product use	Utility Boards
Manufacturer	IRIS SERVICE CIUC SASTR. VANATORILOR NR. 4MIERCUREA CIUC 530144ROMANIA



## SECTION II - COMPOSITION / INFORMATION ON COMPONENTS

CAS#	Component	Percent	OSHA PEL	ACGIN TLV
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No hazardous ingredients.

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

The timber is kiln dried. No chemical residue is left on the surface of the product.

## SECTION III - RISK IDENTIFICATION

### EMERGENCY OVERVIEW

**CAUTION!** Sawing, sanding, or machining wood products may produce wood dust, which can cause an explosion hazard. Wood dust may cause irritation to eyes, skin and the respiratory tract.

Target organ	Eye, Skin and Respiratory Tract
Description	Solid wood such as lumber, not bound with a urea formaldehyde resin.

### Potential Health Effects

Inhalation	Wood dust may cause nasal dryness, irritation, coughing and sinusitis. Repeated exposures can produce allergic responses in some sensitive individuals.
Eyes	Wood dust can cause irritation.
Skin	Various species of wood dust may evoke allergic contact dermatitis in sensitive individuals. If an allergy pre-exists 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.

### Medical Conditions Aggravated

Wood dust exposure may aggravate pre-existing skin, eye, respiratory and cardiovascular conditions.

### HMIS Ratings:

<b>Health: I</b>	<b>Fire: I</b>	<b>Reactivity: 0</b>
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\*Hazard Scale: 0 = Minimal / 1 = Slight / 2 = Moderate / 3 = Serious / 4\* = Chronic.

## SECTION IV - FIRST AID MEASURES

First aid inhalation	Remove to fresh air immediately. If breathing is difficult, trained personnel should administer oxygen. If such breathing has ceased, apply artificial resuscitation using oxygen and a suitable mechanical device such as a bag and a mask. Get immediate medical attention.
First aid eyes	Immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush with water for at least 15 minutes. If irritation persists, seek medical attention.
First aid skin	Wash affected area with soap and water until dust is entirely removed from skin. Immediately remove contaminated clothing. If rash, dermatitis, or irritation persists, seek medical attention. Launder contaminated clothing before reuse or dispose of properly.
First aid ingestion	Not applicable under normal conditions of use.



## SECTION V - 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 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 the 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.
Auto-ignition temperature	400°F - 500°F (204°C - 260°C)
Fire extinguishing media	Water, carbon dioxide or sand.
Special fire fighting procedure	Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned, charred, or wet dust to open, secure area after fire is extinguished.

### HFPA Ratings:

<b>Health: 1</b>	<b>Fire: 1</b>	<b>Reactivity: 0</b>
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\*Hazard Scale: 0 = Minimal / 1 = Slight / 2 = Moderate / 3 = Serious / 4\* = Chronic.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

Accidental release	Not applicable for product in purchased form.
Clean-Up procedure	Wood dust may be vacuumed or shoveled for recovery or disposal. Wet down dust prior to vacuuming or shoveling in order to prevent explosion hazards. Avoid dusty conditions and provide good ventilation. Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of air borne dust. Do not inhale dusts during clean-up.

## SECTION VII - HANDLING & STORAGE PROCEDURE

Handling procedure	Avoid repeated or prolonged breathing of wood dust. Avoid eye contact or repeated or prolonged contact with skin. Change protective clothing and gloves when signs of contamination appear.
Storage Procedures	Wood products are combustible and therefore should not be subjected to temperatures exceeding the auto-ignition 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 VIII - 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.
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### Personal Protective Equipment (PPE)

Recommended PPE is below. It may be necessary to follow PPE requirements as determined by your workplace.

PPE Respiratory	Use an NIOSH/OSHA approved respirator when ventilation is not possible and if permissible exposure limits to wood dust may be exceeded.
PPE Eyes/face	Use recommended goggles or safety glasses as conditions indicate when sawing, sanding or machining wood products.
PPE Skin	Protective equipment such as gloves and outer garments may be needed to reduce skin contact. After working with the wood and before eating, drinking, toileting and using tobacco products, wash exposed areas thoroughly.
Other protective clothing or equipment	There are no special requirements under normal conditions of use. Protective clothing should be worn where prolonged skin contact may occur. Protective clothing should be laundered separately from household clothing and before reuse.

Wood Species	CAS N°	OSHA PEL	ACGIH TLV
Hardwoods	None	5mg/m <sup>3</sup> TWA	5mg/m <sup>3</sup> TWA
		10mg/m <sup>3</sup> STEL	10mg/m <sup>3</sup> STEL

### SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance	Varies	Odor	Wood species dependent
Physical state	Solid	pH	Not applicable
Vapor pressure	Not applicable	Vapor density	Not applicable
Boiling point	Not applicable	Melting point	Not applicable
Solubility (H <sub>2</sub> O)	Insoluble	Specific gravity	<1.0

### SECTION X - CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	This is a stable material.
Chemical stability conditions to avoid	Wood dust generated from sawing, sanding, or machining the product is extremely combustible. Keep in a cool, dry place away from ignition sources.
Incompatibility	Oxidizing agents and drying oils.
Hazardous combustion products	Thermal-oxidative degradation or burning of wood can product irritating and potentially toxic fumes and gases including carbon monoxide, aldehydes and organic acids.
Hazardous polymerization	Will not occur.

### SECTION XI - TOXICOLOGY INFORMATION

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 the National Toxicology Program (NTP) classify wood dust as a (known) human carcinogen (Group 1). This classification is based primarily on increased risk in the occurrence of adenocarcinomas of the nasal cavities and the Para nasal sinuses associated with exposure to wood dust.



## SECTION XII - ECOLOGICAL INFORMATION

General product information	This product is not expected to have ecological effects on the environment.
Component analysis - ecotoxicity-aquatic toxicity	Aquatic values were not found for the individual components listed in Section II.
Environmental fate	No information available.

## SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal instructions	In its purchased form, dispose of Wood and Wood Products by ordinary trash collection. Sawdust and construction debris should be cleaned up and disposed of after construction. Incinerate or landfill in accordance with local, state, and federal regulations.
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## **CAUTION!**

WOOD DUST CAN CAUSE A FLAMMABLE OR EXPLOSION HAZARD.  
WOOD DUST MAY CAUSE LUNG, UPPER RESPIRATORY TRACT, EYE AND SKIN IRRITATION. THE INTERNATIONAL AGENCY FOR RESEARCH ON LUNG CANCER (IARC) AND THE NATIONAL TOXICOLOGY PROGRAM (NTP) LIST WOOD DUST AS A (GROUP 1) CARCINOGEN.

### **Precautions**

- Avoid dust contact with ignition source.
- Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of air borne 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 seek medical attention.

### **Handling and Storage**

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

Wood products are combustible and therefore should not be subjected to temperatures exceeding the auto-ignition 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.

## **OTHER INFORMATION**

### **Important**

The information and data herein are believed to be accurate and have been compiled from sources that are 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. ARAUCO WOOD PRODUCTS, INC. MAKES 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. Arauco Wood Products, Inc. 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.