

# Tableros

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## SAFETY DATA SHEET

### PLYWOOD

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#### SECTION 1: IDENTIFICATION

**PRODUCT NAME:** Plywood

**RECOMMENDED USE AND RESTRICTIONS ON USE:** Plywood for general construction

#### SUPLIER DETAILS

**COMPANY:** TABLEROS INDÚSTRIA E COMÉRCIO DE PAINÉIS LTDA.

**ADRESS:** Rua Marechal Deodoro, Nº 2081. PALMAS – PARANÁ, BRASIL. ZIP CODE 85555000

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#### SECTION 2: HAZARD IDENTIFICATION

##### GENERAL HAZARD STATEMENT

The product is non-hazardous as delivered. However, it may become hazardous as a result of dust generating downstream activities (e.g. cutting, grinding, etc.). The potential hazards from exposure to dust and mitigating measures are described below.

##### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

##### GHS classification

- Combustible dusts
- Carcinogenicity, Cat. 1A
- Sensitization, skin, Cat. 1
- Sensitization, respiratory, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 1

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GHS label elements, including precautionary statements.

PICTOGRAM :



**SIGNAL WORD:** Danger

### HAZARD STATEMENT(S)

- 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 [inhalation]
- H372 Causes damage to organs [lung/respiratory system] through prolonged or repeated exposure [inhalation]  
May form combustible dust concentrations in air

### PRECAUTIONARY STATEMENT(S)

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 Wash hands and exposed skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 In case of inadequate ventilation wear respiratory protection.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations.

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### OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION

Dust may cause skin irritation. Dust may cause eye irritation. Exposure to dust may aggravate pre-existing eye, skin, or respiratory conditions.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### COMPONENTS

#### COMPONENT

#### CONCENTRATION

<b>WOOD (wood dust, softwood or hardwood) (CAS no.: not available)</b>	<b>98 – 99%</b>
CLASSIFICATIONS: Combustible dusts; Carcinogenicity, Cat. 1A; Sensitization, skin, Cat. 1; Sensitization, respiratory, Cat. 1; Specific target organ toxicity (single exposure), Cat. 3; Specific target organ toxicity (repeated exposure), Cat. 1.	
<b>Cured Phenol-Formaldehyde resin (CAS no.: 9003-35-4)</b>	<b>1-2%</b>
CLASSIFICATIONS: Not classified.	

**Impurities:** product may contain trace amounts of Formaldehyde, with tolerable emissions, proven via laboratory test (CAS no.: 50-00-0). **We have Ultra low-emitting formaldehyde resins exemption from certification and testing.**

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## SECTION 4: FIRST-AID MEASURES

### DESCRIPTION OF NECESSARY FIRST-AID MEASURES

**GENERAL ADVICE:** Get medical advice/ attention if you feel unwell

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell

**IN CASE OF SKIN CONTACT:** Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation or rash develops or persists. Wash contaminated clothing before reuse.

**IN CASE OF EYE CONTACT:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.

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**IF SWALLOWED:** a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### **MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

**IF INHALED:** Dust may cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**IN CASE OF SKIN CONTACT:** Dust may cause skin irritation. May cause an allergic skin reaction. Signs/symptoms may include localized redness, dryness, swelling, itching, rash, and hives.

**IN CASE OF EYE CONTACT:** Dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**IF SWALLOWED** Ingestion caused by poor hygiene practices may be harmful and cause adverse symptoms, including, diarrhea, nausea, gastrointestinal irritation.

**CHRONIC EXPOSURE** Inhalation of dust may cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).

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## SECTION 5: FIRE-FIGHTING MEASURES

### **SUITABLE EXTINGUISHING MEDIA**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

May form combustible dust concentrations in air. Large dust clouds from product have the potential to ignite explosively.

Lower explosive limit (LEL): 40 g/m<sup>3</sup>.

Hazardous combustion products: Carbon oxides and other toxic fumes and gases.

### **SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS**

Wear self-contained breathing apparatus for firefighting if necessary. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES.**

Avoid generation of dust. Ensure adequate ventilation. Avoid breathing dust. Keep all ignition sources away. Wear suitable personal protective equipment. For personal protection see section 8.

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### ENVIRONMENTAL PRECAUTIONS

Avoid unnecessary release into the environment.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Pick up and arrange disposal without dust generation.

### IF DUST IS GENERATED:

Non-sparking tools should be used. Use explosion proof vacuum with HEPA filter during cleanup. Keep all ignition sources away from spill to avoid potential for dust explosion. If sweeping is required use a dust suppressant.

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## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Handle in accordance with good industrial hygiene and safety practices. Minimize dust generation. Do not breathe dust. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear suitable personal protective equipment. For personal protection see section 8. Avoid accumulation of dusts, which can lead to a serious hazard of dust explosion. Keep all ignition sources away. 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.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, well-ventilated and dry place. Keep away from sources of ignition, heat, and direct sunlight.

### SPECIFIC END USE(S)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

## Wood dust (CAS no.: not available)

OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak		NIOSH REL Up to 10-hour TWA (ST) STEL (C) Ceiling		ACGIH® TLV® 8-hour TWA (ST) STEL (C) Ceiling		Cal/OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak	
<b>PEL-TWA</b>	15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable dust)	<b>REL-TWA</b>	1 mg/m <sup>3</sup>	<b>TLV-TWA</b>	Western red cedar: 0.5 mg/m <sup>3</sup> (inhalable fraction), All other species: 1 mg/m <sup>3</sup> (inhalable fraction)	<b>PEL-TWA</b>	All soft and hardwoods, except Western red cedar: 2 mg/m <sup>3</sup> . Western red cedar: 0.5 mg/m <sup>3</sup> .
<b>PEL-STEL</b>	Not available	<b>REL-STEL</b>	Not available	<b>TLV-STEL</b>	Not available	<b>PEL-STEL</b>	5 mg/m <sup>3</sup> (all soft and hardwoods, except Western red cedar)
<b>PEL-C</b>	Not available	<b>REL-C</b>	Not available	<b>TLV-C</b>	Not available	<b>PEL-C</b>	Not available

## Formaldehyde (CAS no.: 50-00-0)

OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak		NIOSH REL Up to 10-hour TWA (ST) STEL (C) Ceiling		ACGIH® TLV® 8-hour TWA (ST) STEL (C) Ceiling		Cal/OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak	
<b>PEL-TWA</b>	0.75 ppm [0.5 ppm Action Level]	<b>REL-TWA</b>	0.016 ppm	<b>TLV-TWA</b>	0.1 ppm	<b>PEL-TWA</b>	0.75 ppm [0.50 ppm Action Level]
<b>PEL-STEL</b>	2 ppm	<b>REL-STEL</b>	Not available	<b>TLV-STEL</b>	0.3 ppm	<b>PEL-STEL</b>	2 ppm
<b>PEL-C</b>	Not available	<b>REL-C</b>	0.1 ppm [15 minutes]	<b>TLV-C</b>	Not available	<b>PEL-C</b>	Not available

### APPROPRIATE ENGINEERING CONTROLS

Provide general ventilation or local exhaust ventilation to minimize exposure to dust and maintain airborne concentrations below OSHA PELs or other specified exposure limits.

### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### PICTOGRAMS



#### EYE/FACE PROTECTION

Wear tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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### SKIN PROTECTION

Wear protective gloves. Consult manufacturer specifications for further information.

### BODY PROTECTION

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### RESPIRATORY PROTECTION

If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate dust mask, air-purifying respirator with particulate filter (HEPA), or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### THERMAL HAZARDS

No data available.

### ENVIRONMENTAL EXPOSURE CONTROLS

Avoid unnecessary release into the environment.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance/form (physical state, color, etc.)	Solid wood sheet with natural wood color.
Odor	Slight aromatic resinous and wood odor.
Odor threshold	No data 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)	No data available.
Upper/lower flammability limits	No data available.
Upper explosive limits	No data available.
Lower explosive limit (LEL)	40 g/m <sup>3</sup> (wood dust)
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	482-572° F (250-300°C)
Decomposition temperature	No data available.
Viscosity	Not applicable.

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### SECTION 10: STABILITY AND REACTIVITY

#### REACTIVITY

Non-reactive under normal use conditions.

#### CHEMICAL STABILITY

Stable under normal storage conditions.

#### POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization will not occur.

#### CONDITIONS TO AVOID

Avoid dust generation. Keep away from open flames, hot surfaces and sources of ignition. Avoid exposure to incompatible products. Protect from moisture.

#### INCOMPATIBLE MATERIALS

Strong oxidizing agents, strong acids, strong bases.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides (CO, CO<sub>2</sub>), Formaldehyde and other organic compounds.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### INFORMATION ON TOXICOLOGICAL EFFECTS

**IF INHALED:** Dust may cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**IN CASE OF SKIN CONTACT:** Dust may cause skin irritation. May cause an allergic skin reaction. Signs/symptoms may include localized redness, dryness, swelling, itching, rash, and hives.

**IN CASE OF EYE CONTACT:** Dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**IF SWALLOWED:** Ingestion caused by poor hygiene practices may be harmful and cause adverse symptoms, including, diarrhea, nausea, gastrointestinal irritation.

**CHRONIC EXPOSURE:** Inhalation of dust may cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).

#### ACUTE TOXICITY

Based on available data, classification data are not met.

Components (US National Library of Medicine ChemIDplus database toxicity data):

Formaldehyde (CAS no.: 50-00-0)

LD50 (oral) - rat – 100 mg/kg

LD50 (skin) - rabbit - 0.27 mL/kg

LD50 (inhalation) - rat – 203 mg/m<sup>3</sup>

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### SKIN CORROSION/IRRITATION

Dust may cause skin irritation.

### SERIOUS EYE DAMAGE/IRRITATION

Dust may cause eye irritation.

### RESPIRATORY OR SKIN SENSITIZATION

May cause an allergic skin reaction.

Dust may cause allergy or asthma symptoms or breathing difficulties if inhaled.

### GERM CELL MUTAGENICITY

Based on available data, classification data are not met.

### CARCINOGENICITY

May cause cancer.

Wood dust may cause cancer of the nasal cavity and paranasal sinuses and of the nasopharynx. Plywood may release extremely low amounts of formaldehyde. Formaldehyde may cause nasopharyngeal cancer, leukaemia, and sinonasal cancer.

### REPRODUCTIVE TOXICITY

Based on available data, classification data are not met

### STOT-SINGLE EXPOSURE

Dust may cause respiratory irritation.

### STOT-REPEATED EXPOSURE

Dust causes damage to organs (lung/respiratory system) through prolonged or repeated exposure via inhalation.

### ASPIRATION HAZARD

Based on available data, classification data are not met.

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## SECTION 12: DISPOSAL CONSIDERATIONS

### DISPOSAL OF THE PRODUCT

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

### DISPOSAL OF CONTAMINATED PACKAGING

Dispose of as unused product.

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### SECTION 13: TRANSPORT INFORMATION

Not dangerous goods

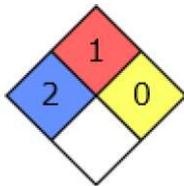
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### SECTION 14: ADDITIONAL INFORMATION

#### HMIS Rating

Plywood	
HEALTH	3*
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

#### NFPA Rating



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#### Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.