



Indústria de Compensados Guararapes Ltda

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**MATERIAL SAFETY DATA SHEET (MSDS)**  
**Softwood plywood, bonded with phenolic resin**

**Hazard Ingredients**

Ingredient Name	Recommended limits
Softwood	NAP
Softwood dust	OSHA PEL (none)
	ACGIH TLV TWA 8 hour - 5 mg/m <sup>3</sup>
	STEL 15 min - 10 mg/m <sup>3</sup>
Phenol formaldehyde resin	NAP
Free formaldehyde gas	OSHA PEL TWA 8 hour - 0,75 ppm
	STEL 15 min - 2 ppm
	ACGIH TLV (ceiling) - 0,3 ppm

\* Wood dust and formaldehyde are probable human carcinogens

**NOTE :**

OSHA = Occupational Safety & Health Administration

ACGIH = American Conference of Governmental Industrial Hygienists.

PEL = Permissible Exposure Limit.

TWA = Time-Weighted Average.

TLV = Threshold Limit Value.

STEL = Short-Term Exposure Limit.

NAP = Not applicable properties

**Physical / Chemical Characteristics**

Appearance and odor	Yellow or tan panel
Specific gravity (H <sub>2</sub> O = 1)	0,55 - 0,7
Boiling point	NAP
Melting point	NAP
Vapor pressure	NAP
Vapor density	NAP
Solubility in water	NAP
Evaporation rate	NAP

**Fire and Explosion Hazard Data**

Flash point (method used)	NAP
Extinguishing media	Water, carbon dioxide (CO <sub>2</sub> ), sand
Auto-Ignition temperature	Over 400 ° F
Flamable limits in air	40 mg/m <sup>3</sup> (LEL)
Special fire fighting procedures	Use water to wet the panels and wood dust. Remove burned and charred material to an open and secure area. Avoid breathing smoke.
Unusual fire and explosion hazards	Dry and warm environments or the presence of an ignition source may cause wood dust to explode.

**Reactivity Data**

Stability	Stable
Incompatibility	Oxidizing agents, drying oils, open flame.
Hazardous decomposition	Toxic fumes and gases like carbon dioxide (CO <sub>2</sub> )
Hazardous polymerisation	Will not occur



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**Health Hazard Data**

Routes of entry	Inhalation and skin
Health hazards	If panels are cut or sanded then wood dust may be inhaled or its contact to skin and may cause irritation to sensitized individuals. According to IARC's evaluation wood dust is classified as a Group 1 carcinogen and may cause adenocarcinomas of the nasal cavities and paranasal sinuses.
Signs and symptoms of exposure	Throat or eyes irritation.
Medical conditions generally aggravated by exposure	Pre-existing respiratory conditions and allergies.
Emergency and first aid procedures	Remove from exposure, avoid breathing, flush irritated eyes with clean water. If symptoms persist seek medical attention.

**Precautions for Safe Handling and Use**

Precautions to be taken in handling and storing	Store in cool, dry place, away from open flame. Panels are often supplied in heavy bundles that may cause fatal accidents if not stacked in solid piles. Individual panel are also heavy enough to cause serious injuries dropped over the lower limbs, so handle with care.
Steps to be taken in case material is released or spilled	Not applicable for the product itself. Wood dust from sawing or sanding must be removed by vacuum or shoveled.
Waste disposal method	Incineration is often preferred, however, Federal, state and local regulations must be followed.
Other precautions	Use of hand gloves, safety glasses.

**Control Measures**

Ventilation	Recommended
Local exhaust	Recommended
Mechanical	NAP
Special	Self-contained breathing apparatus (SCBA) recommended when suppressing fire
Respiratory protection	NIOSW/MSHA approved respirator
Protective gloves	Recommended to avoid mechanical irritation when handling the panels
Eye protection	Safety glasses or goggles are highly recommended when cutting or sanding the panels
Work/hygienic practices	Good housekeeping practices to avoid excessive accumulation of wood dust

**Transport Information**

This product is not considered a DOT hazardous material .

Some states require loads to be covered to transport.

**User's Responsibility**

This MSDS contains information based on the experience of occupational health and safety professionals which are believed to be accurate and technically correct. It is the user's responsibility to determine if this information is suitable for their application and follow safety precautions.

**Regulatory Information**

OSHA: Softwood Plywood is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910. 1200. However, wood dust generated by cutting or sanding the panels may be hazardous. Canadian WHMIS: softwood plywood is not considered a controlled product.