

1. DESCRIPTION OF MATERIAL, PREPARATION, AND COMPANY

Trade name:	Particleboard HOMOGEN P1-P7
Application:	Particleboard for use in furniture manufacture or construction industries. According to product information
Company name:	FunderMax GmbH Klagenfurter Straße 87-89 A - 9300 St. Veit/Glan Tel. +43 (0)5 9494 0 Fax +43 (0)5 9494 4200 www.fundermax.at
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2. COMPOSITION / INGREDIENTS

Chemical characterization:	Particleboard HOMOGEN consists to 82-84% of wood (hardwood < 5%); 8-10% resin solids; 7% water; solid paraffin wax 0.5%
Hazardous ingredients:	<u>none</u> , product does not require labelling in this respect.

3. POSSIBLE RISKS

Special warnings for humans (in case of inhalation, contact with the skin or the eyes, in case of swallowing, chronic effects, etc.):	<u>none</u>
Special environmental warnings:	<u>none</u>
Other warnings:	<u>none</u>

4. FIRST AID

In case of inhalation:	<u>none</u>
In case of contact with the skin or eyes:	gloves are recommended
In case of swallowing:	<u>none</u>

5. FIRE EXTINGUISHING

Suitable fire extinguishing agents:	water jet, dry-powder extinguishing agents, carbon dioxide (CO ₂), extinguishing foam.
Unsuitable fire extinguishing substances:	<u>none</u>
Particular hazards in connection with the material itself, its combustion products, or ensuing gases:	CO, CO ₂ , and nitrogenous gases may develop in case of fire.
Special protective equipment in case of fire:	Always wear breathing equipment suitable for the above-mentioned gases in case of fire.
Classification according to EN 13501-1:	HOMOGEN particleboard (thickness >9mm and density >600 kg/m ³) is classified: D Classification according to fire behaviour s2 Classification according to smoke development d0 Classification according to flaming droplets

6. ACCIDENTAL RELEASE

Safety measures for humans:	<u>not applicable</u> , no measures are necessary.
Environmental protection measures:	<u>none</u> , product does not have any impact on the environment.
Purification/absorption procedures:	<u>no</u> measures or special methods are necessary.

7. HANDLING AND STORAGE

- Handling:** Risk of dust explosion when e.g. grinding or sawing the material. Avoid smoking or open fire during such work, and provide for good ventilation and suction of the dust at its source.
- Storage:** Store the product plane and dry (relative air humidity: 35-65 %). Since the product does not contain any biocides or preservatives, long-term exposure to condensation water and insufficient ventilation may lead to the development of fungi. **HOMOGEN** is normal inflammable and must therefore not be stored together with other easily inflammable materials.
- Compatibility with other materials:** The product is compatible with all materials.

8. EXPOSURE CONTROL AND INDIVIDUAL PROTECTION EQUIPMENT

Additional instructions for the design of technical facilities: Machines and installations used to process the material must be equipped with a suction facility.

- Breathing equipment:** Use breathing filter to avoid inhaling dust.
- Gloves:** Gloves are recommended.
- Body protection:** Body protection is not necessary.
- Eye protection:** Use same eye protection equipment applied during processing of wood products.
- Safety measures and hygiene:** Wash hands with water and soap before work intervals and after finishing work.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** solid
- Colour:** like sawdust; tree-layer particleboard (some types with green core layer of red surface layer)
- Odour:** odourless
- Flash point:** above 250 °C (open cup)
- Self-inflammability:** none
- Explosion hazard:** not applicable; particleboard dust approx. 60 g/m³ air
- Thickness mm:** 6.0 – 43.0
- Gross weight kg/m³:** 500 – 800 ±10%
- Solubility in water:** not applicable

Other physical properties such as steam pressure, distribution coefficient, freezing point, melting point, viscosity, etc., are not relevant for this product.

10. STABILITY AND REACTIVITY

- Stability:** The product is chemically stable and compatible with any material.
- Avoid following conditions:** Store product in a dry place (air humidity: 35-65 %). Since the product does not contain any biocides or preservatives, long-term exposure to condensation water and insufficient ventilation may lead to the development of fungi.
- Keep away from following materials:** Strong acids, strong caustic solutions, and oxidizing agents may decompose the material.
- Hazardous decomposition products:** CO, CO₂, and nitrogenous gases may develop in case of fire.
- Hazardous emissions:** Formaldehyde emission is either classified E1, perforator value according to EN 120 ≤ 8.0 mg/100g, or classified E0,5 ≤ 4.0 mg/100g

11. TOXICOLOGY

Acute toxicity: Particleboard **HOMOGEN** is a safe material. Formaldehyde emission is low, corresponding to **emission class E1 or E0,5**.

Classification-relevant LD/LC₅₀ values or other toxicological data is not available.

The product is free of heavy metals, halogen and solvents. Dangerous materials such as tri chlorine ethyls, free aromatics (benzene, toluol, phenol) asbestos, CFCs, PVC, HFCs, PCP are not used in the production and/or are within the limits of the present valid standards.

Primary skin or eye irritation (Draize test): The product does not cause any skin or eye irritation. Data from animal studies is not available.

Sub-acute to chronic toxicity: No data available.

12. ENVIRONMENTAL DATA

Environmental toxicity:

This product is not water-pollutant. Based on our assessments, the water toxicity of the material can be classified as 0 (zero). In terms of toxicity for bacteria, mammals, and fish, the product belongs to the non-hazardous materials.

13. DISPOSAL

Method of disposal:

According to Austrian and EU specifications, waste material of this product is not classified as dangerous waste. The product is biodegradable. In case the waste material is incinerated, the incineration facility must be equipped with a filter for the reduction of nitrogenous gases (NO_x to N₂) (e.g. DENOX).

Local and national specifications:

Observe the corresponding laws and specifications for waste disposal.

14. TRANSPORT

Particleboard **HOMOGEN** is not classified - according to all applicable transport regulations - and can thus be regarded as non-hazardous. Labelling in this respect is not necessary.

15. SPECIFICATIONS

Labelling:

Danger sign:

The product does not require labelling in this respect. Nevertheless, we make following safety recommendations:

R rates: none

S rates: **S 22** - Do not inhale dust when working with the material

S 43 - In case of fire, use water jet, dry-powder extinguishing agents, CO₂, or extinguishing foam.

Other safety regulations:

Threshold limit value (fine dust): 6 mg dust/m³ air (fine dust)

Maximum emission concentration acc. to TA: 10 mg dust/m³ air (sanding dust)

16. OTHER

All information given herein corresponds to our today's knowledge and serves to handle the product safely. No guarantee is taken for particular properties.

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