

Safety Data Sheet

Date of preparation: 20.12.2022

FALCO Particleboard

According to 1907/2006 and 878/2020

1. Product identifier

- 1.1. Product identifier: Natúr F.lap P2 IOSMAT181 csisz
- 1.2. Relevant identified uses of the substance or mixture and uses advised against: Wood industry, Furniture industry, Packaging material, Lamination
- 1.3. Details of the supplier of the safety data sheet: FALCO Zrt., H-9700 Szombathely Zánati út 26., +3694516600
- 1.4. Emergency telephone number: Egészségügyi Toxikológiai Tájékoztató Szolgálat; 1096 Budapest, Nagyváradi tér 2., HUNGARY; +36 80 20 11 99

2. Hazards identifications

- 2.1. Classification of the substance or mixture

Natural wood colour material. This product is generally an article and not hazardous, but may become hazardous by dust during downstream activities, like grinding, sanding, cutting and sawing.

- 2.2. Label elements

Hazard pictograms and signal words

Hazard statement: Not applicable

Hazardous pictograms: Not applicable

Inhalation: If breathing is difficult, remove victim to fresh air and keep in a comfortable position for breathing.

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. After contact with the molten product, cool rapidly with cold water.

Signal words, H-sentences: Not applicable

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H320 Causes eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H350 May cause cancer (inhalation)
H373 Causes damage to organs through prolonged or repeated exposure (inhalation) Precautionary statements

Precautionary statements, P-sentences:

P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking
P260 Do not breathe dust P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection
P302+P352+P305+P351+P338 On contact: Wash thoroughly with water
P308+P337+P314+P340+ P264 If exposed or concerned: Get medical advice/attention if you feel unwell, move to fresh air

2.3. Other hazards

This product is not considered hazardous under the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

The product contains wood chips (hard- and soft chips), hardener (ammonium-nitrate), melamine-urea-formaldehyde resin, urea (formaldehyde catching) and paraffin emulsion.

Nr.	Name	CAS nr.	EINECS	Concentration	Hazardous sign	H-phrases
1.	Formaldehyde	50-00-0	200-001-8	<0.02 m/m%	-	301, 311, 314, 317, 331, 335, 341, 350, 370

H-phrases in this table is not related to the end product. It is related to the hazardous component.

4. First-aid measures

4.1. Description of first aid measures

General: No special measures required regarding the product in the form it is shipped, downstream activities like cutting, sawing or grinding can generate dust. To avoid health hazards while these downstream activities, take note of the following measures:

Inhalation: If breathing is difficult, remove victim to fresh air and keep in a comfortable position for breathing.

Skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. After contact with the molten product, cool rapidly with cold water

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth thoroughly with water. Get medical attention if you feel unwell and contact a poison control center or medical professional.

4.2. Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological Information

4.3. Indication of immediate medical attention and special treatment needed

No further relevant information available

5. Firefighting measures

5.1. Extinguishing media

Use firefighting measures that suit the environment

- Water
- Fire-extinguishing powder
- Carbon dioxide
- Foam



5.2. Specific hazards arising from the substance or mixture

In case of fire, the following gases can be released: Carbon-dioxide (CO₂), Carbon-monoxide (CO), Oxides of Nitrogen (NO_x) and other hazardous gases and particles (NH₃, aldehydes).

The product can result in the by-product wood dust. Wood dust may present a strong to severe explosion hazard if a dust cloud contacts an ignition source.

5.3. Advice for firefighters

Protective equipment: Mouth respiratory protective device, protective clothing (goggles, gloves, shoes, cover the whole body) which is resistance to chemicals.

Additional information: Prevent the formation of dust.

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Personal Precautions: Do not breathe dust.

Emergency Procedures: No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2. Environmental precautions

No special measures required.

6.3. Methods and materials for containment and cleaning up

Not applicable for product in purchased form. Dust generated from sawing, sanding, drilling or routing this product may be vacuumed or shovelled for recovery or disposal. Wood dust clean-up and disposal activities should be accomplished in a manner to minimize of airborne dust.

Dispose of the material collected according to regulations.

6.4. Reference to other sections

Safe handling see Section 7.

Personal protection equipment see Section 8.

Disposal information see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Use good safety and industrial hygiene practices. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wear a respiratory mask if using hand tools without a dust extraction device. Observe all liability insurance association regulations for commercial processing operations (e.g. safety goggles).

Information on protection against explosions and fires: Avoid formation of dust.

7.2. Conditions for safe storage, including any incompatibilities

No special precautions for handling product. Store in dry conditions, avoid high temperatures, moisture and fire. Use good safety and industrial hygiene practices. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Keep away from ignition sources.

Suggested storage temperature: 15 – 30 °C, relative humidity 45 – 70%.

7.3. Specific end use(s)

Dust extraction and the replacement of the extracted dust has to be secured by fresh air.

8. Exposure controls/personal protection

8.1. Control parameters

Adequate ventilation systems needed to control while sawing, cutting, drilling or other dust generating procedures.

8.2. Exposure controls

Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. 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. Usage of totally enclosed breathing apparatus is mandatory.

Individual protection measures, such as personal protective equipment.

Equipment Pictograms:



European limits:

Permissible Exposure Level wood dust: 1.0 mg/m³

Permissible Exposure Level formaldehyde: 0.6 mg/m³ ppm

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

<u>Physical State:</u>	<u>Solid</u>
<u>Colour:</u>	<u>Nature wood (yellow to brown)</u>
<u>Flammability:</u>	<u>No data</u>
<u>Odour:</u>	<u>No distinctive odour</u>
<u>Odour threshold:</u>	<u>Not determined</u>
<u>pH:</u>	<u>Not relevant</u>
<u>Melting point/freezing point:</u>	<u>Not relevant</u>
<u>Initial boiling point and boiling range:</u>	<u>Not relevant</u>
<u>Flash point</u>	<u>Not relevant</u>
<u>Evaporation rate:</u>	<u>Not relevant</u>
<u>Flammability (solid, gas):</u>	<u>No data available</u>
<u>Upper/lower flammability or explosive limits:</u>	<u>No data available</u>
<u>Vapour pressure:</u>	<u>Not relevant</u>

<u>Vapour density:</u>	<u>No data available</u>
<u>Density:</u>	<u>550 – 750 kg/m³</u>
<u>Relative density:</u>	<u>Not relevant</u>
<u>Solubility(ies):</u>	<u>Not soluble in water</u>
<u>Partition coefficient: n-octanol/water:</u>	<u>Not relevant</u>
<u>Auto-ignition temperature:</u>	<u>No data available</u>
<u>Decomposition temperature:</u>	<u>No data available</u>
<u>Viscosity:</u>	<u>No data available</u>

10. Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under recommended storage conditions

Conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

The product contains formaldehyde. E1 class limit is 8 mg/100 g dry material. Test method according to MSZ EN 12460-5.

All deliveries of raw Particleboard material where the order refers to IKEA IOS-MAT-0003 IKEA formaldehyde requirements compiles with the California ARB Regulation - Final Regulation Order (FRO) of "Airborne Toxic Control Measure (ATCM) to Reduce Formaldehyde Emissions from Composite Wood Products" - 'CARB Phase 2' - §93120-93120.12, title 17, California Code of Regulation & U.S. Environmental Protection Agency (U.S. EPA) Regulation - "Formaldehyde Emission Standards for Composite Wood Products Act, Title VI to the toxic Substance Control Act (TSCA)" - 'EPA TSCA Title VI' Final Rule 40 CFR Part §770.10; and IKEA-IOS-MAT-0003 AA-10899-15 (2020-07-06), 1.4.1 Table 1., for wood-based products with the limit of 4,00 mg/100g (at 6,5% MC) based on perforator test method in accordance with MSZ EN ISO 12460-5:2016.

All deliveries of raw Particleboard material where the order refers to IKEA IOS-MAT-0181 requirements complies with the IKEA IOS-MAT-0181 AA-2183046-3 (2020-07-06), 1.4.1 Table 1. for wood based product with the limit of 0,1 ppm based on the chamber test method in accordance with EN 16516:2017 or 0,05 ppm based on the chamber test method in accordance with EN 717-1:2015.

10.4. Conditions to avoid

Exposure to water, ignition source, high relative humidity and high temperature.

10.5. Incompatible materials

Acids (strong), Oxidizers (strong)

10.6. Hazardous decomposition products

Hazardous decomposition may occur thermal and/or thermal oxidative decomposition can produce irritating and toxic fumes and gases.

11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxic effects known on the product.

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact). Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Inhalation

Acute (Immediate):	May cause respiratory irritation.
Chronic (Delayed):	Repeated and prolonged exposure may cause cancer. Repeated and prolonged exposure may cause sensitization of the respiratory system.

Skin

Acute (Immediate):	May cause irritation.
Chronic (Delayed):	Repeated and prolonged exposure may cause sensitization.

Eye

Acute (Immediate):	May cause irritation.
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Chronic (Delayed): No data available.

Ingestion

Acute (Immediate): Under normal conditions of use, no health effects are expected.

Chronic (Delayed): Under normal conditions of use, no health effects are expected.

11.2. Information on other hazards

Not known.

12. Ecological information

12.1. Toxicity

Not applicable for particleboard.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

Not applicable for particleboard.

12.4. Mobility in soil

No further relevant information available. Not hazardous for water.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Endocrine disrupting properties

Not relevant.

12.7. Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1. Waste treatment method

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

Recommendation: Disposal according to local regulations. EWC: 03 01 05

14. Transport information

14.1. UN number: Not applicable. The product is not classified as dangerous during transport. ADR, ADN, IMDG, IATA.

14.2. UN proper shipping name: Not applicable. ADR, ADN, IMDG, IATA

14.3. Transport hazard class(es): Not applicable. ASR, ADN, IMDG, IATA class

14.4. Packing group, if applicable: Not applicable. ADR, IMDG, IATA

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for users: Not applicable.

14.7. Maritime transport in bulk according to IMO instruments: Not applicable.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

15.2. Chemical safety assessment

Not required for the product.

16. Other information

The date of preparation of the SDS or the last change to it.

Initial release: 05-09-2007

Last Revision Date: 20-12-2022