

# Material Safety data sheet

according to EU regulation Nr. 453/2010



created: 24.06.2014  
last printed: 12.09.2014

revised: 12.09.2014

## Article 1: Identification of the substance and the company

### 1.1 Product identifier

**Trade name**  
PAVADRY

### 1.2 Product description

Fibreboard for the internal insulation of exterior walls, coated with a layer of MDF.

### 1.3 Details of the supplier of the data sheet

**Supplier**  
Pavatex SA  
Route de la Pisciculture 37  
CH-1701 Fribourg

#### Hotline

Technology Centre (TC) +41 (26) 426 35 40

### 1.4 Emergency telephone number

Head of Quality & Projects +41 (26) 426 35 40

## Article 2: Hazards identification

### 2.1 Classification and labelling in accordance with regulation (EC) N° 1272/2008

This product is not subject to declaration

### 2.2 Label element in accordance with regulation (EC) N° 1272/2008

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### 2.3 Other hazards

While processing, the same precautions against dust must be taken as if solid wood was machined.

## Article 3: Composition / information on ingredients

### 3.1 Dangerous components

The MDF Panel contains <0.1M% of Formaldehyde. Formaldehyde is toxic if inhaled and swallowed. Product is conform with the European E1 emission class.

### 3.2 Non dangerous components

#### low density wood fibre board

Coniferous wood: 90.48%  
Silicates: 4.7%  
PVAc: 2.4%  
Starch: 1.7%  
Flocculant: 0.02%  
Aluminium sulphate: 0.7%

#### medium density wood fibre board

Wood fibres 75 – 95%  
Bark content < 10%  
HF & MHF Resin 8-15%  
Hydrophobic agent 0.3 – 2%

does not contain Scrap Wood

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## Article 4: First aid measure

### 4.1 General information

No particular hazards  
The same precautions against dust must be taken as if solid timber is processed.

### 4.2 Inhalation

Abrasive action may cause wood dust to be generated that may be an irritant to the respiratory system. Fibreboard can emit small amounts of gas (formaldehyde) that decreases over time.

### 4.3 Eye contact

Remove contact lenses and rinse the eye properly for about 15min.

### 4.4 Skin contact

Clean dust with water. Product may be an irritant to wood sensitive individuals.

### 4.5 Ingestion

Non-applicable

## Article 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Extinguishing agent must be adapted to surrounding fire since this product does not require any special extinguishing agent.

### 5.2 Extinguishing agent that must not be used

Non

### 5.3 Advice for fire fighters

Self-contained breathing apparatus must be used.  
Released flue gas in case of fire:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>)
- Nitrogen oxides (NO<sub>x</sub>)

## Article 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

If the Dust concentration exceeds 900g/m<sup>3</sup> there is a risk of dust explosion.  
The usage of protective glasses is recommended.

### 6.2 Environmental precautions

None

### 6.3 Methods and material for containment and cleaning up

Remove dust mechanically, preferably with vacuum cleaner. Do not use pressurized air.

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## Article 7: Handling and storage

### 7.1 Advice on safe handling

No special measures required

### 7.2 Conditions for safe storage, including any incompatibilities

Storage class 11; combustible solid matter

Take into consideration the generally recognised codes of practice of fire preventions.

auto ignition if surrounding temperatures exceed 200°C

Keep dry and store on a flat surface

### 7.3 Specific use

Wood fibre insulation board suitable for interior insulation of external walls

## Article 8: Exposure controls / personal protection

### 8.1 Exposure limits

Occupational exposure limits defined by the EU must be considered

TRGS 553 / max. 2mg/m<sup>3</sup>

### 8.2 Delimitation and monitoring of environmental exposition

Breathing protection: Mask type FFP2 if cutting

Eye protection: usual safety measures if cutting

Protective gloves: usual safety measures if cutting, no special material required

Personal protection: usual safety measures

A dedusting system is highly recommended if the product is machined.

## Article 9: Physical and chemical properties

### 9.1 General information

Appearance: bright yellow till brown

Aggregate state: solid panel

Smell: like wood

### 9.2 Safety related information

Risk of explosion: if concentration of dust exceeds 900g/m<sup>3</sup>

Burning point: ≥ 200°C

### 9.3 Additional information

Density of low density wood fibre board: 175 ± 15 kg/m<sup>3</sup>

Density of medium density top layer: 740 ± 40 kg/m<sup>3</sup>

## Article 10: Stability and reactivity

### 10.1 Conditions to be avoided

Contact with open fire

### 10.2 Hazardous reactions

Surface-active Agents (Tenside) can deteriorate the hydrophobising of the product.

Some wood preservative agents contain tensides.

Localised flatting will stain zinc sheet irreversible.

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## 10.3 Hazardous decomposition products

If stored and handled properly, no hazardous decomposing products are known

## Article 11: Toxicological information

### 11.1 Toxicokinetics, metabolism and distribution

Not determinated

### 11.2 Acute toxicity

Non

### 11.3 Sensitization

Wood dust can cause asthma

### 11.4 Repeated dose toxicity

Not determinated

### 11.4 Carcinogenicity

Wood dust is under suspicion to be a carcinogenetic agent

## Article 12: Ecological information

### 12.1 Eco-toxicity

Non

## Article 13: Disposal consideration

### 13.1 Disposal / Product

Under consideration oft the local provisions burn in a waste combustion dump  
Waste code according to the hazardous waste list directive 03 01 05 for

### 13.2 Disposal / Packaging

PE- foil (Waste code 15 01 02)  
pallet (wood) (Waste code 15 01 03)  
Under consideration oft he local provisions burn in a waste combustion dump

## Article 14: Transport information

### 14.1 Classification GGVSEB

No hazardous good according to this provision

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## Article 15: Regulatory information

### 15.1 Chemical safety assessment

Not required

### 15.2 Labelling according to EU-Guideline

Not required

### 15.3 The determining risk for labelling

S-phrases: S 22 do not breath dust  
S 41 do not breath fumes

## Article 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. If no other written agreement is signed, the commercial terms and conditions, which are not changed or overridden by this safety sheet, are valid. Changes in this document and the product documentation itself, in particularly due to changes in statutory regulations, are possible at any time and can be made without any notice. For further information please contact Pavatex.