

## SAFETY DATA SHEET

Rev. 7 dd. 10/12/2008

### 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Identification of the product: **FIBERBOARD**  
(MDF board "BIPAN MDF") - thickness  $\geq 8.00$  mm.  $\leq 40.00$  mm.

1.2 Identification of the company:

**BIPAN SpA**  
Via S.Maria, 32  
33050 - BICINICCO (UD)  
Tel. 0432/9301  
Fax 0432/990535  
[a.deblasi@bipan.it](mailto:a.deblasi@bipan.it)

### 2 - HAZARDS IDENTIFICATION

The product, on the bases of the legislation in force, **is not to be considered dangerous**.  
It should be considered the residual risks deriving from the presence of free formaldehyde and of the dust coming from the machinery used for the subsequent processing of the product.

### 3 - COMPOSITION

Dry wood (°):  $80 \div 90$  %  
Dry ureic glue:  $9 \div 12$  %  
(ureic glue is the result of the urea-formaldehyde condensing)  
Dry ammonium sulphate:  $0,8 \div 1,5$  %  
Water:  $4 \div 9$  %  
Paraffin:  $0 \div 1$  %  
Formaldehyde emission: **Class E1**  $\leq 8$  mg/100 g of finished product<sup>1</sup>  
Release  $< 0.124$  mg/m<sup>3</sup> of air<sup>2</sup>

All the values are referred to dry panel.

(°) In the production process chips from hard and light new wood are utilized. These are normally used in varying mixtures in order to assure good industrial and technical performances.

<sup>1</sup> Perforator Method – (Standard UNI EN - 120)

<sup>2</sup> Emission value – Test Method - (Standard UNI EN 717-1)

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#### **4 - FIRST AID MEASURES**

It applies to dust coming from the process:

|               |  |
|---------------|--|
| EYE CONTACT:  | <i>Rinse with plenty of water</i>                                |
| SKIN CONTACT: | <i>Wash with water and remove contaminated clothes</i>           |
| SWALLOWING:   | <i>Induce vomiting and drink water</i>                           |
| INHALATION:   | <i>Wash nasal mucus membrane with an isotonic Salty solution</i> |

#### **5 - FIRE PREVENTION MEASURES**

The product is not inflammable.

Extinguishing agents: *WATER  
CARBON DIOXIDE  
CHEMICAL, POWDER AND FOAM FIRE EXTINGUISHER*

Refrain from inhalation of combustion smokes.

Safety of fire fighting personnel: use individual means of protection, with special Attention to breathing apparatuses.

#### **6 - ACCIDENTAL RELEASE MEASURES**

Not applicable.

Dusts: refrain from contaminating the environment.

#### **7 - HANDLING AND STORAGE**

The plants or the machinery employed for the product processing must be equipped with suitable exhaust systems which must be in accordance with the specific laws regarding safety and environmental protection.

Store product in dry and well-ventilated areas.

#### **8 - EXPOSURES CONTROLS / PERSONAL PROTECTION**

Environmental limits of dusts and of formaldehyde

|                                      |                              |                                     |
|--------------------------------------|------------------------------|-------------------------------------|
| Hard wood inhalable dusts:           | <i>5 mg/m<sup>3</sup></i>    | <i>TLV-TWA (Ref. Dlgs 66/2000 )</i> |
| Mild and mixed wood inhalable dusts: | <i>5 mg/m<sup>3</sup></i>    | <i>TLV-TWA (Ref. Dlgs 66/2000 )</i> |
| light wood inhalable dusts:          | <i>5 mg/m<sup>3</sup></i>    | <i>TLV-TWA (Ref. ACGIH 1998 )</i>   |
| Formaldehyde:                        | <i>0,37 mg/m<sup>3</sup></i> | <i>TLV-C (Ref. ACGIH 1992-1993)</i> |

*The panel is mostly made of mixes of hard and light wood, the latter prevailing.*

Personal protection: *gloves, goggles, dust protection masks, safety shoes.*

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## **9 - PHYSICAL AND CHEMICAL PROPERTIES**

|                  |                                   |
|------------------|-----------------------------------|
| Physical state:  | <i>solid</i>                      |
| Colour:          | <i>light brown</i>                |
| Odour:           | <i>wood + ureic resin</i>         |
| Specific weight: | <i>750 ÷ 800 Kg/m<sup>3</sup></i> |
| Flash point:     | <i>not inflammable</i>            |
| Solubility:      | <i>not applicable</i>             |
| Fusion point:    | <i>not applicable</i>             |
| Boiling point:   | <i>not applicable</i>             |
| P.H.             | <i>not applicable</i>             |

## **10 - STABILITY AND REACTIVITY**

Stable under normal handling and storage conditions.

Exposure to moisture causes thickness swell of the product.

Exposure to the sun can cause a reduction of the performance characteristics.

## **11 - TOXICOLOGICAL INFORMATION**

Wood dust can induce

- irritation on
  - skin
  - breathing apparatus
- allergy
  - of the skin (itching)
  - breathing apparatus (asthma)

It has been demonstrated, by skin studies, that wood dusts, besides the above mentioned effects, can lead to cancer of the nasal pit (particularly beech and oak wood).

The machines used for the product processing must be equipped with suitable exhaust systems.

The working environment must be well ventilated. The concentrations in the working environment must not exceed the ones prescribed in point 8 of this data sheet (exposure control).

## **12 - ECOLOGICAL INFORMATION**

Avoid disposal of the product in the environment.

## **13 - DISPOSAL CONSIDERATIONS**

Product wastes can be used for combustion in systems complying with point 6.2 of att. 2 subatt. 1 on D.M. 05/02/98 in accordance with conditions as at point 6.3 of same D.M.

The type of waste falls within types described at point 9.1 of att. 1 subatt. 1 of the D.M. 05/02/98.

And can therefore, be subjected to simplified procedures if in accordance with all D.M. conditions.

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## **14 - TRANSPORT INFORMATION**

The product does not need any special device for the transportation.

Verify that the load is well fixed with suitable belts to the loading plane in order to ensure stability during transportation.

The loaded product must be always well covered in order to avoid any contact with rain or moisture.

## **15 - REGULATORY INFORMATION**

Labelling: the current regulations on product classification do not require any labelling.

This data sheet has been edited according to D.M. 07/09/2002 published on the "Gazzetta Ufficiale Italiana" nr. 252 dd. 26/10/2002, and D.M. 12/12/2002 published on "Gazzetta Ufficiale Italiana" nr.15 dd. 20/01/03 and Regulation (EC) No. 1907/2006 of the European Parliament published on the O.J.E.U. No. L 396 on 30.12.2006

The final user is asked to verify and comply in full the specific national, regional and local regulations concerning safety and environmental protection not included in the present document.

## **16 - OTHER INFORMATION - REFERENCES**

The information quoted in this Safety Data Sheet are based to the best of our knowledge.

Consult national and regional regulations applicable to the specific field of use and those in force in the matters of sanitation, work safety and environmental protection.

The information herein is regarded as correct and given in good faith, but no warranty expressed or implied is made.

The data furnished by this Safety Data Sheet do not constitute contractual specification.

*ACGIH: Threshold limit values for chemical substances – 1998*

*Ministry of Health: Circular N° 57/198: Use of Formaldehyde*

*D.M. 05/02/1998 published on Gazzetta Ufficiale Italiana dd. 16/04/1998, n. 72*

*D. Lgs. 66/2000 published on Gazzetta Ufficiale Italiana dd. 24/03/2000, n. 70*

*D.M. 07/09/2002 published on Gazzetta Ufficiale Italiana dd. 26/10/2002, n. 252*

*D.M. 12/12/2002 published on Gazzetta Ufficiale Italiana dd. 20/01/2003, n. 15.*

*Regulation (EC) No. 1907/2006 of the European Parliament published on the O.J.E.U. No. L 396 on 30.12.2006*

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