SAFETY DATA SHEET (Complies with directive 91 – 155 /EEC)

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT NAME — Raw and Melamine Faced Particleboard
Commercial name — Natural wood particleboard

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Dried natural wood	80 - 85 %
Urea-formaldehyde glue, urea-melamine-formaldehyde, melamine-formaldehyde	8 - 12 %
Ammonium sulphate	0,8 - 1,5 %
Paraffin	0,5 - 1,0 %
Water	4,0 - 9,0 %

Formaldehyde content: E1 class, according to European standard E312 (≤ 8 mg/100 g dry board, determined according to EN 120 perforator test).

3. DANGER IDENTIFICATION

This product **is not dangerous**.
Residual risks may result from the release, even if limited, of formaldehyde and dust originating during product processing.

4. FIRST AID

Skin contact (dust): wash the contaminated parts with water.
Eye contact (dust): flush the eyes with water keeping the eyelids wide open. Eye examination recommended. Inhalation (dust and formaldehyde): remove the injured person from the contaminated area and take him to a well-ventilated area.

5. FIRE PREVENTION MEASURES

Extinguishing agents: water, extinguishing powders and foams, carbon dioxide. Fire extinguishers prohibited: none.
In case of fire: do not inhale smoke and gases produced during the combustion; use individual protective equipment, especially those for the respiratory tract.
Particular danger: the product is not inflammable, but it is combustible. Wood dust suspended in the air, at certain concentrations and grain sizes, explodes if triggered (Risk class 2, according to NFPA 68/2002 for dust with an average diameter of 29µm).

6. MEASURES IN CASE OF ACCIDENTAL DISPERSION

Dust: avoid dispersing dust into the environment.

7. HANDLING AND STORAGE

Machineries and plants used in the production must be equipped with adequate aspiration system, according to current norms on safety and environmental protection. The user of the processing machines must ensure the efficiency of the aspiration systems.
Stock the products in well-ventilated and dry areas, away from heat sources.

8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION

Environmental limits for wood dust and formaldehyde:

Inhalable wood dust	TLV TWA	5 mg/m3
Formaldehyde (gas)	TLV C	0,37 mg/m3

Individual protective equipment:
- respiratory protection: dust masks
- hand protection: work gloves
- eyes protection: safety glasses with side shields

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Color	: light
Smell	: slight wood smell
Density Solubility	: 500 700 kg/m3
Ph	: not applicable
Boiling point	: not applicable
Flammability point	: not applicable
	: flammable in the continuous presence of flame

10. STABILITY AND REACTIVITY

The product is stable under normal handling and storage conditions.
The exposure at the humidity causes the swelling of the product.
A long exposure at sunlight can cause degradation of the mechanical characteristics.

11. TOXICOLOGICAL INFORMATION

The inhalation of any kind of dust is potentially dangerous for health. Contact with high dust concentration may cause:

Acute toxicity:
- Irritative effects on the conjunctiva with inflammation, tearing and, occasionally, visual fogging
- Irritative effects on the upper respiratory tract: catarrh, cough, hoarseness
- Sensitizing effects: rhinitis, asthma, dermatitis

Chronic toxicity:
- Atrophy/dysplasia of the mucous membranes of the upper respiratory tract
- Chronic bronchitis with reduction of the respiratory function indices

High levels of exposure to dust (>5 mg/m3 weighted average of 8 working hours) increases the risk for adenocarcinoma of the nose Wood dust is:

- Classified in Group 1 IARC

Formaldehyde is:
- Classified in Group 1 IARC
- Irritating for the upper respiratory tract
- Sensitizing for the mucous membranes and for skin

12. ECOLOGICAL INFORMATION

Use the product according to good working practices.
Avoid dispersing it into the environment.

13. DISPOSAL CONSIDERATIONS

The product can be reused in material recovery processes or in combustion processes, in compliance with Ministerial Decree 5.02.1998, or disposed of as waste similar to urban waste.

14. TRANSPORTATION INFORMATION

No prescription is required for transport.
The boards must be well fixed to the loading platform with special tensionable straps, in order to be stable during transportation. The loading must be covered to avoid water and humidity contact.

15. INFORMATION ON REGULATION

The product, following the current regulations, has not to be considered dangerous, and labelling is not requested.

16. OTHER INFORMATION

ACGIH: threshold limit values for chemical substances
Ministry of Health: circular no. 57/1983 use of formaldehyde
NFPA: NFPA 68/2002 Guide for venting of deflagrations
CEI: CEI 31-52 classification of places where combustible dust may be present
SCOEL: SCOEL/SUM/102/2003 risk assessment for wood dust
IARC: IARC 2012 Vol. 100C arsenic, metals, fibres and dust.

This product must be stored, handled and used according to hygiene and safety regulations, good industrial practice and in compliance with current regulations.

The information provided on this Safety Data Sheet are based on our current knowledge and should not be considered as warranty of specific properties.

The technical data are indicative and do not constitute contractual specifications.