

SAFETY DATA SHEET

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1. Identification of the substance/preparation and the company/undertaking

1.1 Identification of the substance

2. Composition/Information on ingredients:

<u>Chemical composition:</u>	Melamine-face MDF (Medium Density Fibreboard) covered Acrylic coated thermoplastic polyester with additives and polyurethane primer on rear side additives: partly saponified ester waxes and silica, with on surface acrylic UV resins with additives
<u>Physical State:</u>	sheet
<u>Colour:</u>	various colours
<u>Odour:</u>	very less
<u>Hazardous ingredients:</u>	

3. Hazardous identification:

Not classified as dangerous according to EC Directives

3.1 <u>Hazardous Decomposition Products:</u>	Endangering only in form of breathable dust, then care for protection. CO ₂ and CO develops in case of burning. Formaldehyde emission of MDF only: class E1, conforming to European standard EN 622 – 1 ($\leq 3.5 \text{ mg/m}^2 \text{ h}$ determined according to EN 717 – 2 gas analysis method)
3.2 <u>Hazardous reactions:</u>	With oxidising agents. Some fine grounded metals in fibres or filings (especially aluminium) can react with the composition.
3.3 <u>Other data:</u>	

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4. First aid measures:

- 4.1 After spilling, leakage, leaving of gas: Sweep up and deposit properly.
- First aid: Do not give any liquids or cause vomiting while the injured person suffers cramps or is unconscious.
- 4.2 **Other data:**
- Inhalation: in a solid state are no noxious effects through a appropriate handling. After inhalation of decomposition products move to fresh air. Get medical attention if symptoms persist. Formaldehyde is irritant to upper respiratory tract; can sensitise the mucous membranes and the skin.
- Skin contact: Wash off in the shower or keep under running water; no noxious effects on this way of intake. If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin.
- Eye contact: If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.
- Swallowing: No special first aid measures are necessary. Material is not expected to be absorbed from the digestive system. No noxious effects on this way of intake
- Note to doctor: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

5. Fire-fighting measures:

- Suitable extinguishing media: waterspray, dry chemical, water, carbon dioxide, chemical extinguishers (powder / foam)
- Unsuitable extinguishing media: none
- Releasing products: Carbon dioxide, steam
- Specific hazards: The product in general is not combustible
- First aid: If irritations through fumes in thermal processing: rest, fresh air, symptomatic medical treatment
- Specific protective equipment: Wear self-contained breathing apparatus and suitable protective Clothing
- Prevention of fire and explosion: Powdered material may form explosive dust-air mixtures.
- Other data: Burned material and contaminated extinguishing media is to be deposited properly. Soak carefully with water to avoid a renewed ignition.

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6. Accidental release measures:

Methods for cleaning up (granules/regrind):

Sweep or scoop up and remove

7. Handling and Storage:

7.1 Storage:

storage dry and cool, avoid heat and wetness, also extreme temperature differences (because of condensed moisture). Avoid solar radiation. Earth silos to avoid charging. Avoid dust formation. Keep from contact with oxidizing materials. Minimise dust generation and accumulation. Keep container closed.

Handling:

No special precautionary measures should be needed under anticipated conditions of use

Inhalation protection:

General or local ventilation should be enough in industrial work process

Breathing protection:

When dust formation use admitted particle filter (ISO:...)

Eye protection:

Use safety goggles

Skin protection:

Wear overall with long sleeves

Hand protection:

Wear gloves to prevent burnings.

Others:

Wash hands before breaks or end of the workday

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8. Exposure controls/Personal protection

- 8.1 Other data for the organisation of technical constructions:
General ventilation should be enough. At processing under high temperatures use local aspirator
- 8.2 Ingredients with workplace exposure limits:
During processing of the sheets, the following ingredients can be released

Personal protection equipment

Ventilation:

Good general ventilation of 10 or more room volume per hour in the work area is recommended. Match ventilation rates to condition of use. Supplementary local exhaust ventilation, close systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating drying, ect.

Inhalation protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator type: dust, organic vapour.

Eye protection:

Use safety goggles, it is a good industrial hygiene practice to minimise skin contact. When material is heated, wear gloves to protect against thermal burns.

Hand protection:

Wear gloves to prevent mechanical injuries

Recommended Decontamination

Facilities:

eye wash, washing facilities.

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9. Physical and protective information:

Melting point/range:	> 100 °C
Boiling point:	n. a.
Density:	800 kg/m ³ (at 20 °C)
Steam pressure:	n. a.
Viscosity:	n. a.
Water solubility:	< 0,1
pH-factor	n. a.
Flash Point:	n. a.
Ignition temperature:	> 400 °C
Explosion Limits:	n. a.
Thermal Decomposition :	

10. Stability and Reactivity

- | | | |
|------|--|---|
| 10.1 | <u>Chemical stability:</u> | Stable under normal storage and handling conditions |
| 10.2 | <u>Conditions to avoid:</u> | |
| 10.3 | <u>Products to avoid:</u> | strong oxidizing agents |
| 10.3 | <u>Hazardous decomposition products:</u> | |

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11. Toxicological information:

Swallowing:

Oral toxicology is probably very less, physiological inactive

Swallowing in form of pellets can cause constipation

Eye contact:

Solid matter or dust cause injuries of the cornea on account of mechanical effects

Skin contact:

Injuries only on account of mechanical effect. Absorption on account of physical properties not possible

Inhalation:

On account of physical properties is an exposition of fumes at room temperature improbable. In higher temperatures fume concentrations can conduct. Those can cause irritations and other effects.

Dust can cause irritations of the respiratory tract.

12. Ecological information:

Behaviour in sewage plant:

The product can be mechanically separated.

General data:

No hazardous reaction in water

13. Disposal considerations:

Disposal of product: All efforts should be made to recycle the product. Discharge, treatment, or disposal may be subject to national or local laws. May be incinerated under controlled conditions.

Dirty packaging:

Those can be recycled

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14. **Transport information:**

Labelling according to EEC regulations is not required.

15. **Regulatory information:**

15.1 EG classification:

15.2 National regulations – Italy:

Water Endangering Class: not water endangering WGK 0
[Riff legislativo ###]

Labelling according to EEC regulations not required

16. **Other information:**

Telephonic further enquiry when claim: +39 (0)438 4321

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulations. The information contained here in is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.