

The company Karl W. Niemann GmbH & Co.KG manufactures furniture components and composite panels made of wooden materials and processed adhesives and plastics. According to REACH, we count as processors of substances to the "nachgeschalteten Anwendern". So we are not obliged to register our products. A responsibility for the registration of substances as a producer or as "importer" under the REACH Regulation is not on our side. Accordingly this document is not a Material Safety Data Sheets like REACH (1907/2006).

1. Product information

Manufacturer/Distributor Karl W. Niemann GmbH & Co.KG
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Emergency no.: +49 (0)5742/9305-0
Trade name/Type Pianovo Lackgloss 4x9 collection/ Pianovo Lackmatt 4x9 collection
Uses Particleboard for use in furniture and construction industries
Description MDF-board with PET-foil

2. Composition / information of the components

Wood: 80 - 85%; urea Formaldehyde resin: 9 - 13%; water: 4-10%; parafin wax: 0,2 – 0,6%, paper: 0,1 - ,5%, PET: 0,3-0,5%
Poly(ethylenterephthalat) CAS #25038-59-9

3. Hazards identification

Harmful by inhalation (dust / formaldehyde). Effects of skin contact are not fully known and may vary.

PET-films could have sharp edges. Suitable protective equipment: gloves

The PET-films melt by 250°- 265°C and decompose by over 300°C. At these temperatures acetaldehyde could be generated (CAS # 75-07-0).

4. First aid procedures

Eyes: Irrigate with water. If discomfort persists obtain medical attention.

Inhalation: Remove from exposure. If discomfort persists seek medical attention.

Skin: Wash off with soap and water.

Ingestion: Wash out mouth with water.

5. Fire fighting measures

Use: water, CO², foam.

Dust from cutting and milling operations is an explosive hazard

Thermal decomposition produces irritating and toxic gases including CO, aldehydes, acetaldehyde and organic acids. Use respiratory protection.

6. Accidental release measures

Sweep or vacuum wood dust for recovery or disposal, avoid generation of dusty conditions. Provide good ventilation.

7. Handling and storage

Use the material carefully to protect hands from small splinters and the sharp foil.

Keep the working areas always clean. Keep it free from dust. Avoid generation of explosive levels of wood dust in air.

Store in a cool, dry and well ventilated room. Carry with mechanical help.

8. Exposure controls / Personal Protection

8.1 Exposure limits Control Parameters:

Dust wood:

Unknown Limit values legally established in Spain. Standard application values:

TLV-TWA: 5 mg/m³

Formaldehyde (50-00-0)

According tables of Occupational Exposure for Chemical Agents in Spain 2011:

TLV-STEL: 0,3 ppm (0,37 mg/m³)

Carcinogen C2

May cause sensitization by skin contact.

TLV-TWA (ppm): 0,5 (FR) 0,3 (DE)

TLV-TWA (mg/m³): 0,37 (DE)

TLV-STEL (ppm): 1 (FR) 0,6 (DE) 0,3 (PT, Concentración máxima)

TLV-STEL (mg/m³): 0,74 (DE)

8.2 Exposure Controls:

Technical measures:

Keep away from open flame or sources of ignition.

Observe normal hygiene standards (do not eat, drink or smoke in work areas, wash hands with soap and water after exposure)

Personal protection:

Where suitable engineering control are not fitted or inadequate, wear suitable protective equipment.

Personal protection must be chosen specially according job, concentration and quantity of hazardous component.

- Eye/Face protection: Wear glasses to avoid projections.
- Skin protection: Wear suitable gloves.
- Respiratory Protection: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
- Others: Wear suitable cloth.

Environmental exposure controls:

Not applicable.

9. Physical and chemical properties Ignition temp of dust 100°C

Colour: Straw to brown

Density: 700 – 830 kg/m³

10. Stability and reactivity

See fire fighting measures. Keep away from sources of ignition.

11. Toxicological information

Formaldehyde can be absorbed through the skin and by ingestion.
This product contains formaldehyde concentration < 0,008%.
Chronic effects of skin contact with wood dust are not fully known and may vary.

12. Ecological information:

Unwanted influence on the environment cannot be excluded but unlikely when handled, stored, and disposed of adequately.

13. Disposal considerations

Disposal should be in accordance with local, state or national legislation.

14. Transport informations

No transport warning sign required.

15. Regulatory information

Please note compliance with local, state or national legislation.
Please ask for special regulatory.

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16. Weitere Informationen / Anmerkungen

Special requests must be requested by the customer at the supplier and upstream suppliers.

The information contained in this document are based on our current knowledge but not a guarantee of product properties and shall not establish a legally valid contractual relationship. The information have been compiled from sources believed to be reliable.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

It is your responsibility to observe the requirements in the regulations and legislation.