



Document	KR/MSDS/0001
Created by: A.Mančinskas	Date 28/10/2013
Approved by: A.Mančinskas	Printed:
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## Material Safety Data Sheet

### 1. Identification of the Substance, Preparation and Company

*Product Name/Type:*

**Raw Chipboard P2**

**Raw Chipboard P3** (Moisture Resistant)

**Raw Chipboard P4**

**Raw Chipboard P5** (Moisture Resistant)

**Raw Chipboard P6** (Fast Floor, Flooring)

**Melamine Faced Chipboard** (MFC)

Orientated Strand Board - **OSB 2 Superfinish ECO**

Orientated Strand Board - **OSB 3 Superfinish ECO**

Orientated Strand Board - **OSB 4 Superfinish ECO**

*Application:*

Building, furniture, decorative fixtures and fittings

*Supplier:*

**SIA "KRONOSPAN Riga"**

Gubernciems 7

Riga

LV-1016

Latvia

*Contact:*

+371 67430176

### 2. Composition/Information on Ingredients

Standard wood-based panels of Bolderaja are manufactured from chipped various species of wood bonded together with a resin adhesive (given below) under the pressure and high temperature. Melamine Faced Chipboards (MFC) are additionally overlaid using the melamine resin (MUF) impregnated films.

Wood panel products contain the following:

Wood (various species of softwood)	77 – 91.6 %
Polymerised Resin (UF, MUF, p-MDI)	8 – 20 %
Paraffin and Hardener	0.4 – 3.0 %

### 3. Hazards Identification

*Physical Hazard:*

Not classified

*Health Hazard:*

Not classified

### 4. First Aid Measures

*Inhalation:*

Inhalation of wood dust can only occur during processing. If inhalation of dust causes adverse effects, remove to fresh air. If discomfort persists seek medical advice.

*Skin Contact:*

In case of irritation from dust generated when processing product, wash with water.

*Eyes:*

If particles enter the eyes during processing immediately flush eyes with plenty of water. Seek medical attention if irritation persists.

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## 5. Fire and Explosion Hazards

Not flammable at room temperature but will burn. In case of fire, soak or flood with water. For large fires, fire fighters should wear appropriate emergency protective equipment, including self-contained breathing apparatus. Airborne wood dust may present an explosion hazard; standard precautions for dust control should be followed.

## 6. Accidental Release Measures

The product does not represent a hazard in sheet form. However, wood dust generated during processing should be contained, collected and removed.

## 7. Handling and Storage

### *Manual Handling*

In sheet form the product can present a manual handling risk due to physical dimensions and weight. Good lifting practice should be followed. The weight restrictions on handling equipment must be strictly observed when moving pallets or packs.

### *Storage*

Wood based panels should be stored flat and level in dry and well-ventilated conditions. Keep away from heat, sparks, flames and other ignition sources. Keep away from moisture. Take care when removing packaging.

**NOTE 1:** Care should be taken when cutting steel pallet bands, as the tension in these bands can be high. When handling individual boards it is recommended that gloves be worn to protect hands from sharp edges.

**NOTE 2:** Melamine Faced Chipboard (MFC) panels are extremely slippery. When shifting or storing such panels at a later stage, after they have been removed from their original packages, the panels shall always be properly strapped together.

## 8. Exposure Controls/Personal Protection

### *Exposure Controls*

During processing, adequate ventilation and/or extraction should be provided to minimise airborne dust.

### *Personal Protection*

Dust will be created during processing; use appropriate respiratory protection equipment. Wear gloves as required to prevent skin contact. Wear eye protection to prevent dust particles from entering eyes.

## 9. Physical and Chemical Properties

### *Appearance:*

Wood-panels in various dimensions.

### *Odour:*

None under ambient conditions.

## 10. Stability and Reactivity

Considered stable and inert.

### *Materials to avoid:*

Reducing and oxidising agents.

### *Conditions to avoid:*

Heating and ignition sources and damp atmospheres.

### *Thermal decomposition products may include:*

CO, CO<sub>2</sub>, aldehydes (including formaldehyde), particulate matter and other organic compounds.

### *Other hazards:*

Processing of wood panels generates dust. Appropriate protection from inhalation of dust is recommended.



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## 11. Toxicological Information

Wood-based panels are composed of wood of various species bounded together with a urea-formaldehyde polymerized resin. When it is machined, very fine dust is produced. As with other types of softwood dust, wood-panel dust is a potentially hazardous substance and should therefore be controlled. Softwood dust is not classified as a carcinogen.

When using portable or handheld equipment a suitable dust mask should be worn. In any case the product should be machined in a well-ventilated area.

**FORMALDEHYDE EMISSION:** All Bolderaja wood-based panel types meet the requirements of standard EN 13986 with regard to formaldehyde emission class E1: perforator value  $\leq 8\text{mg}/100\text{g}$  (oven dry board)

## 12. Ecological Information

*Mobility:* Not determined

*Degradability:* Not determined

*Bioaccumulative Potential:* Not determined

*Aquatic Toxicity:* Not determined

## 13. Disposal Considerations

Disposal of Bolderaja wood-based products can be carried out by several methods. It should be noted that the instructions for disposal may vary in different countries depending on the current legislation.

Recycling of the wood-based panels by utilizing it in other applications is always preferred, but Bolderaja wood-based products could be burnt when the combustion temperature is at least 850°C and correct combustion conditions are maintained.

Bolderaja wood-based panels contain nothing classified as hazardous waste.

## 14. Other Information

The above data has been presented in the form of a Material Safety Data Sheet for information only.