



## 1 Product and Company Identification

**Product Name:** Melamine Faced Chipboard (MFC) and Melamine Faced Fibreboard (MF MDF)  
**Product Types:**

MFC	MF MDF
Unilin MFC is five layer board, consisting of wood chips that are composed with a (melamine)-urea-formaldehyde adhesive and covered with a melamine impregnated decorative paper. Both surface layers consists of decorative melamine paper. The base board consists of surfaces with fine chips and a core layer of larger chips	Unilin MF MDF is a three layer board, consisting of wood fibers that are composed with a (melamine)-urea-formaldehyde adhesive (single layer base board) and covered with a melamine impregnated decorative paper.
	

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**Uses:** MFC or MF MDF for use in furniture and construction industries

## 2 Composition and Information on Ingredients

General (Urea-Formaldehyde adhesives)	Chemical
± 80% wood (composition of 45-55% softwood and 55-45% hardwood) 9 – 10% urea formaldehyde resin 7 – 10 % water < 0,5% others (paraffin, hardener, silica)	Depending on the composition of the wood chips/fibres, following generic chemical composition is given: <ul style="list-style-type: none"> <li>• 46,8% Carbon</li> <li>• 41,7% Oxygen</li> <li>• 6,3% Hydrogen</li> <li>• 4,7% Nitrogen</li> <li>• 0,5% Ashes</li> </ul>
General (Melamine-Urea-Formaldehyde adhesives)	
<ul style="list-style-type: none"> <li>• ± 75% wood (composition of 45-55% softwood and 55-45% hardwood)</li> <li>• 11 – 14% melamine-urea-formaldehyde resin</li> <li>• 6 – 10 % water</li> <li>• &lt; 1% others (paraffin, hardener, silica)</li> </ul>	

## 3 Hazards Identification

Harmful by inhalation (dust and formaldehyde).

## 4 First Aid Measures

Eyes	Rinse with water and seek medical advice if irritation persists.
Skin	In case of irritation from dust generated from processing, wash with water. Minor cuts from chipboard products should be thoroughly cleaned and a suitable dressing applied.
Inhalation	Remove from exposure, if discomforts persists seek medical attention.
Ingestion	Wash out mouth with water

## 5 Fire-fighting measures

Non-flammable at room temperature, but will burn. Water, carbon dioxide (CO<sub>2</sub>), foam or dry powder can be used as an extinguishing medium. For large fires, fire fighters should wear full emergency protective equipment including breathing apparatus. Wood waste or dust may represent a fire or explosion hazard.




## 6 Accidental Release Measures

No special measures are necessary. Chipboard products may be treated like natural timber.

## 7 Handling and storage


Handling	Store
No special measures are necessary when handling chipboard, as there is no particular hazard to health caused by touch or any other contact with the boards. However, care has to be taken when lifting heavy boards, to avoid injury. Care should also be taken during handling to protect hands from small splinters of wood. It is also recommended that gloves and safety glasses be worn when removing possible straps or when cutting material.	Keep away from heat, sparks, flame and other ignition sources. Store at room temperature. Keep away from moisture. Store under dry and ventilated conditions.

## 8 Exposure controls and personal protection

Ventilation	Whenever boards are to be machined, the equipment used should be fitted with effective local exhaust ventilation to control dust.
Respiratory Protection	Approved respirator under dusty conditions recommended. 
Eye Protection	Safety glasses or goggles recommended 
Hand and skin protection	Suitable gloves should be used 

## 9 Physical and chemical properties

Appearance	Straw to than (moisture resistant boards may have green surface or core, fire retardant boards may have a red surface or core).
Odour	None

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QA Manual : Declarations - Verklaringen - Déclarations - Erklärungen							
<b>DOC ME QA HDC-5293n Material Safety Data Sheet MFC en MF MDI</b>							

## 10 Stability and reactivity

Considered stable and inert in sheet form.

Thermal decomposition produces irritating and toxic gases including CO, aldehydes and organic acids. Avoid oxidizing agents and drying oils. Keep away from sources of ignition.

## 11 Toxicological Information

Chipboard products are not toxic.

Formaldehyde value depending on type of board :

- Standard E1 < 0,008% (EN 120)
- E0 : < 0,004% (EN 120)
- Biospan F\*\*\*\*: < 0,003% (EN 120) or < 0,3 mg/L (JIS A 5908)
- Carb II : < 0,09 ppm (ASTM D6007)

## 12 Ecological Information

In the long term chipboard products are biodegradable. The dust from processing is highly mobile especially when airborne.

## 13 Disposal Considerations

Dispose in accordance with local regulations. The supplier can recycle the product: recycling is the preferred route. If recycling is not possible, the material should be sent for energy recovery. Landfill is not advised, but can be used as a last resort.

## 14 Transport Information

No classification or regulation of the transport of chipboard material.

## 15 Regulatory Information

Hazard information: Chipboard is non-hazardous.

## 16 Other Information : DISCLAIMER

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