

# Safety Data Sheet

*In accordance with EC Directive 1907/2006/EC*

Revision No.: 2

Revision date: 01-10-2009

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## 1. Identification of the product and company

<b>Trade name</b>	: <b>Marmoleum Click</b>
<b>Application of the product</b>	: Floor covering
<b>Manufacturer/supplier</b>	: Forbo Flooring B.V. Industrieweg 12 1566 JP Assendelft – The Netherlands Telephone: +31 756 477 477

## 2. Hazards identification

<b>Hazard description</b>	: No particular hazard for persons and the environment known
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## 3. Composition/information on ingredients

<b>Description</b>	: Linoleum floor covering laminated on HDF board with a cork sheet backing
<b>Ingredients: Linoleum</b>	: Binder composed of vegetable drying oil and natural rosin, mixed with wood flour and limestone pressed on a jute backing.
<b>HDF</b>	: Mixed Softwood 80-85% Remainder comprises of polymerized resin, paraffin wax, moisture, free formaldehyde (EN 14041 – Class E1)
<b>Cork sheet backing</b>	: Granulated cork with polymerized resin
<b>Hazardous ingredients</b>	: None

## 4. First-aid measures

<b>After inhalation</b>	: Inhalation of HDF dust can only occur during processing. If inhalation of dust causes adverse effects, move to fresh air. If discomfort persists, seek medical advise.
<b>After skin contact</b>	: In case of irritation from dust generated by processing of HDF, wash with water
<b>After eye contact</b>	: If particles enter the eyes during processing immediately flush eyes with plenty of water. Seek medical advise if irritation persists.
<b>After swallowing</b>	: Not applicable

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## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	: Water, foam, carbon dioxide, dry powder
<b>Special hazards from the product itself, its products of combustion or resulting gases</b>	: Hazardous combustion product: Carbon Monoxide
<b>Protective equipment</b>	: Use self-contained breathing apparatus

## 6. Accidental release measures

<b>Person-related safety precautions</b>	: Not applicable
<b>Measures for environmental protection</b>	: Not applicable
<b>Measures for cleaning/collecting</b>	: Not applicable

## 7. Handling and storage

<b>Information for safe handling</b>	: No specific measure required
<b>Information about storage</b>	: No specific measure required

## 8. Exposure controls/personal protection

<b>Ingredients with occupational exposure limits to be monitored</b>	: Not applicable
<b>General protective and hygienic measures</b>	: During processing adequate ventilation and/or extraction should be provided to minimise airborne dust from the HDF.
<b>Respiratory protection</b>	: Use appropriate respiratory protection
<b>Hand protection</b>	: Wear appropriate gloves to prevent skin contact with dust
<b>Eye protection</b>	: Wear eye protection to prevent dust particles entering the eyes
<b>Skin protection</b>	: Wear appropriate clothing to prevent skin contact with dust

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### 9. Physical and chemical properties

<b>Physical state</b>	:	Solid floor covering
<b>Form</b>	:	Panel and tile
<b>Colour</b>	:	Linoleum: various colours and patterns HDF: beige Cork: brown
<b>Odour</b>	:	Weak "linseed oil" odour from the linoleum
<b>Melting point</b>	:	Not applicable
<b>Flash point</b>	:	Not applicable
<b>Danger of explosion</b>	:	Not applicable
<b>Density</b>	:	Linoleum: 1150 – 1250 kg/m <sup>3</sup> HDF: 800-900 kg/m <sup>3</sup> Cork sheet: app. 220 kg/m <sup>3</sup>
<b>Solubility</b>	:	Insoluble in water or conventional solvents

### 10. Stability and reactivity

<b>Thermal decomposition</b>	:	No decomposition up to approx. 450 °C
<b>Hazardous reactions</b>	:	No hazardous reactions
<b>Dangerous decomposition products</b>	:	No dangerous decomposition products

### 11. Toxicological information

<b>General information</b>	:	No harmful effects have been reported to date
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### 12. Ecological information

<b>Information about elimination</b>	:	Product is biodegradable and can be composted.
<b>Other information</b>	:	Insoluble in water

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### 13. Disposal considerations

<b>Product</b>	:	Incineration with energy recovery is the preferred disposal method. Land filling in a permitted facility is an alternative. All applicable local and national legislation should be consulted before disposal.
<b>Packaging</b>	:	Packaging should be subjected to waste management schemes (recovery recycling) in accordance local and national legislation

### 14. Transport information

<b>ADR</b>	:	Not restricted
<b>ADNR</b>	:	Not restricted
<b>RID</b>	:	Not restricted
<b>IATA</b>	:	Not restricted
<b>IMDG</b>	:	Not restricted

### 15. Regulatory information

<b>Labelling in accordance with EC-directives</b>	:	The product does not require a hazard warning label in accordance with EC directives or relevant national laws Regulations on formaldehyde content: The HDF board fulfils the requirements of EN 14041 class E1.
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### 16. Other information

<b>Department issuing MSDS</b>	:	Quality Assurance
<b>Contact</b>	:	F. Seifert

The information in this Safety Data Sheet is based upon the present knowledge and experience.

The actual facts do not give any information about the qualities and properties of the product.