Safety Data Sheet HPL

Prepared in accordance with Regulation (EC) No 1907/2006 (REACH) with the additional Regulation (EU) 2015/830

CHAPTER 1 : Identification of the substance or mixture and of the company/undertaking

1.1 Product Identification

Definition : An HPL laminate (High Pressure Laminate) consists of several paper layers that are pressed under high pressure and temperature. The core layers consist of phenol-impregnated paper. The top layers consist of decorative papers impregnated with MF resin and possibly overlay.

Product Types: : All product types

1.2 Relevant identified uses of the substance or mixtures and discouraged uses

Relevant identified uses

Applications: Product for use in the furniture industry and interior design

Discouraged use

No additional information available

1.3 Details of the safety data sheet issuer

Unilin BV, division Panels
Ooigemstraat 3, bus 2
8710 Wielsbeke
Belgium

1.4 Emergency phone number

Contact: ☎ +(32) (0) 56 66 70 21

CHAPTER 2 : Hazard identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008

Unclassified

Adverse physicochemical, health and environmental effects

This product is not dangerous in its form and condition from the manufacturer's point of view. It can pose a hazard by carrying out dust-generating activities later in the chain (e.g. grinding, sanding, cutting, pulverizing).

2.2 Labeling elements

Labelling in accordance with Regulation (EC) No 1272/2008

Labelling does not apply.

2.3 Other hazards

Harmful by inhalation (dust and formaldehyde) during product handling.

CHAPTER 3 : Composition and information on ingredients

3.1 Fabrics

Not applicable

3.2 Mixtures

The table below shows a sales-weighted average laminate from Unilin. This laminate has a density of > 1350 kg/m³ and consists of paper, resin, additives and moisture. The added additives are highly dependent on the specific commercial reference (e.g. Wax emulsion, fire retardant based on inorganic salts).

Component	Value	Unit
Papier	55 - 60	%
MF Hars	37 - 42	%
Additieven	3	%

CHAPTER 4 : First aid measures

4.1 Description of the first aid measures

First aid in general : No special measures during normal appearance of the product. Dust may be released during the handling of the product. To avoid health hazards, please follow the measures in Chapter 8.

First aid inhalation : Removing the person from the exposure; If discomfort persists, seek medical attention.

First aid after skin contact : In case of irritation due to dust from processing, wash with water. Minor cuts caused by this products must be thoroughly cleaned and then bandaged.

First aid after contact with eyes : Rinse with water and seek medical attention if irritation persists.

First aid after ingestion : Rinse mouth with water. If discomfort persists, seek medical attention.

CHAPTER 5 : Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents: Water, carbon dioxide (CO_2), foam or dry powder can all be used as extinguishing agents.

5.2 Special hazards caused by the substance or mixture

The product is not flammable at room temperature. Paper waste or dust may pose a risk of fire or explosion if dust cloud comes into contact with ignition source.

5.3 Advice for firefighters

Protection during firefighting : Do not intervene without appropriate safety equipment. Full protective clothing, including respirator

CHAPTER 6 : Measures to be taken in the event of accidental release of the substance or mixture

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Do not inhale dust and use personal protective equipment (see section 8).

Avoid dusty environments.

Emergency procedures are not expected, if the product is used as recommended.

6.2 Environmental Precautions

Avoid waste water discharge, no additional special measures required.

6.3 Containment and cleaning methods and materials

Paper dust generated during processing must be contained, collected, and disposed of according to local laws. When removing the dust, make sure that there is no additional air emission.

6.4 Reference to other sections

Section 7: Handling and storage

Section 8: Exposure control measures/personal protection

Section 13: Disposal instructions

CHAPTER 7 : Handling and Storage

7.1 Precautions for safe handling of the substance or mixture

In addition to good well-being and hygiene measures, no special measures are required when handling this product.

However, care should be taken when lifting multiple sheets to avoid injury. Care should also be taken during handling to protect hands from small splinters. Keep the release and accumulation of dust to a minimum by acting with due care. In this way, explosive levels can be avoided.

7.2 Conditions for safe storage, including incompatible products

Storage conditions	:	Keep away from heat, sparks, flames, and other sources of ignition. Keep away from moisture.
Storage Temperature	:	Store at room temperature
Repository	:	Store in a dry and ventilated environment

7.3 Specific end-use

No additional information available

CHAPTER 8 : Exposure Control Measures/Personal Protection

8.1 Control parameters

Belgium	Land	Source	Parameter	Limit value (mg/m³)
Paper dust	Belgium	BGW (Belgian limit value)	8-hour reference period, time-weighted average	1
Phenol	Belgium	BGW (Belgian limit value)	8-hour reference period, time-weighted average	8
Formaldehyde	Belgium	BGW (Belgian limit value)	8-hour redundancy period, time-weighted average	0,3

Source: Annex VI. 1-1 'Occupational exposure limit values' Title 1 – Chemical agents; Book VI - Chemical, Carcinogenic, Mutagen, and Reprotoxic Agents.

If the limit value in the Member State where the product is used is stricter than the above, the strictest value should be used.

8.2 Exposure control measures

8.2.1 Appropriate technical measures

Avoid dusty environments during cutting, sawing, treatment or while performing other dust-generating processes.

8.2.2 Personal protection

Ventilation : Wherever products are machined, the equipment used must be equipped with an efficient local exhaust fan to control the dust.

Respiratory protection : An approved dust mask is recommended under dusty conditions according to EN149, type FFP2.

Eye protection : Safety goggles are recommended to prevent small dust particles in the eye. The safety glasses must at least comply with EN166.

Hand and skin protection : Appropriate gloves should be worn to avoid skin contact. This must comply with the EN388.

8.2.3 Managing environmental risks

No data available

CHAPTER 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid
Color	: Depends on commercial reference
Smell	: No
pH	: Not relevant
Melting Point / Freezing Point	: Not relevant
Boiling point	: Not relevant
Vapour pressure	: Not relevant
Relative Vapor Density	: Not relevant
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition Temperature	: No data available
Flammability	: No data available
Explosive properties	: No data available
Lower and upper explosion limits	: No data available
Kinematic viscosity	: No data available
Solubility	: No data available
Distribution coefficient	: No data available
Particle characteristics	: No data available
Density	: > 1350 kg/m³

9.2 Other information

No additional information available.

CHAPTER 10 : Stability and responsiveness

10.1 Reactivity

In sheet form, it is considered to be stable and inert.

10.2 Chemical stability

Stable under the described storage conditions.

10.3 Possible dangerous reactions

No known dangerous reactions

10.4 Conditions to avoid

Exposure to ignition sources.

10.5 Chemically interacting materials

Avoid oxidizing agents and drying oils.

10.6Hazardous decomposition products

The thermal decomposition produces irritating and toxic gases, such as carbon and nitrogen oxides

CHAPTER 11 : Toxicological information

11.1 Information on toxicological effects

Products are non-toxic. Formaldehyde value depending on type of product:

- Emission classification France: A+ (ISO 16000-9)
- ChemVerbotV2020: ≤ 0.1 (ISO 16516) / ≤ 0.5 (EN 717-1)

11.2 Endocrine-disrupting properties

No information available

CHAPTER 12 : Ecological information

12.1 Toxicity

Not applicable in solid form.

12.2 Persistence and degradability

No information available

12.3 Bioaccumulation

Not applicable in solid form.

12.4 Mobility in soil

No information available.

Generally not dangerous for water.

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Endocrine-disrupting properties

Not applicable

12.7 Other harmful effects

The dust from processing is very mobile, especially when it is dispersed through the air.

CHAPTER 13 : Disposal Instructions

13.1 Waste disposal methods

Dispose of in accordance with local regulations. The supplier can recycle the product: recycling is the preferred disposal option. If recycling is not possible, the material must be disposed of for energy recovery. Depositing is not recommended but is possible as a last option.

CHAPTER 14 : Information related to transport

There is no classification or regulation regarding the transport of the product.

14.1 Land transport

Not applicable

14.2 Transport on the open sea

Not applicable

14.3 Air transport

Not applicable

CHAPTER 15 : Regulatory information

15.1 Specific safety, health and environmental regulations and legislation for the substance

Information Regarding Potential Hazards: HPL is non-hazardous.

15.2 Chemical Safety Assessment

Not applicable

CHAPTER 16 : Other information: DISCLAIMER

The information and data contained herein are believed to be accurate and have been compiled from sources believed to be reliable. Unilin makes no warranties of any kind, either express or implied, as to the accuracy or completeness of the information and data contained herein. Unilin shall not be liable for the use of or reliance on the information and data contained herein by third parties, whether or not the information and data is alleged to be inaccurate, incomplete or otherwise misleading. The information and data are provided for consideration, research, and verification. Due to possible technical changes, it is the user's job to acquire the most recent information.

Date of last revision: 05/03/2015