SHINNOKI® PREFINISHED WOOD PANELS

Material Safety Data Sheet

Section 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Shinnoki

Product description: Shinnoki prefinished panels are made up of 2 layers of veneer, with an 18 mm - 11/16" thick MDF in between. This range of wood veneered panels does not need any further finishing. There is almost no limit to the ways it can be used, from homes and offices, to bars and restaurants.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Veneered wood-based panels, intended for internal use as non-structural component in dry conditions.

1.3. Details of the supplier of the safety datasheet

Company name: DECOSPAN nv
Address: Lageweg 33
8930 Menen
Belgium
Phone: +32 56 52 88 00
Fax: +32 56 52 88 03
Mail: info@decospan.com

1.4. Emergency phone number

n.a.

Section 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is not hazardous in the form in which it is shipped by the manufacturer. The classifications below are based upon the release of wood dust particles as the result of downstream activities (e.g. cutting and sawing).

Classification	***Hazard category***	***Hazard Statements***
Skin irritation	Cat. 2	H315 Causes skin irritation
Skin sensitization	Cat. 1	H317 May cause an allergic skin reaction.
Eye irritation	Cat. 2B	H319 Causes eye irritation.
Specific Target Organ Toxicity Single Exposure	Cat. 3	H335 May cause respiratory irritation.
Specific Target Organ Toxicity Repeated Exposure	Cat. 2	H373 May cause damage to organs through prolonged or repeated exposure (inhalation).
Carcinogen	Cat. 1A	H350 May cause cancer (inhalation)
Combustible Dust (OSHA)	/	May form combustible dust concentrations in air

2.2. Label elements

Pictograms	
 GHS07	 GHS08
Signal word	Danger

Hazard statements

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure (inhalation)

Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from sparks, flame or other heat sources
P260 Do not breathe dust, fume, gas, mist, vapors, spray.
P271 Use only outdoors or in a well ventilated area
P280 Wear protective gloves / protective clothing / eye protection / face protection
P302 + P352 If on skin, wash with plenty of soap and water
P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
P314 Get medical advice / attention if you feel unwell
P363 Wash contaminated clothing before reuse

2.3. Other hazards

NFPA rating: Health = 1	Fire = 1	Reactivity = 0	Special Hazard = NO
HMIS rating: Health = 1*	Fire = 1	Reactivity = 0	PFE = E

* Chronic Health hazard
E = Safety glasses, gloves, dust respirator

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Chemical characterization: Mixtures (articles)

The product is fabricated by attaching wood veneers to TSCA Title VI compliant platforms with a non-added formaldehyde (NAF) resin.

Complies with E1 formaldehyde levels as well as with CARB II levels.

The product may expose you to chemicals, including formaldehyde.

Water stain + acrylate UV cured lacquer		± 0,110 kg/m²
Hardwood veneer (2x)	0,6 mm	650 kg/m³
PVAC D3 Glue		±0,2 kg/m²
MDF	18 mm	730 kg/m³
Formaldehyde	CAS: 50-00-0	< 0,1%

Section 4 FIRST AID MEASURES

4.1. Description of first aid measures

The product is not hazardous in the form in which it is shipped by the manufacturer. The measures below are based upon the release of wood dust particles as the result of downstream activities (e.g. cutting and sawing).

Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position, comfortable for breathing. Seek medical attention for persistent breathing difficulty, severe coughing or persistent irritation.
Ingestion:	Not applicable under normal use. If swallowed, rinse mouth thoroughly with water. Seek medical attention if you feel unwell.
Eye contact:	Immediately rinse eyes with water during 5 minutes. If applicable: Remove contact lenses. If irritation persists, seek medical attention.
Skin contact:	Wash skin with soap and water. If irritation persists, seek medical attention.

4.2. Most important symptoms and effects

Acute Symptoms/Effects: Wood dust may cause irritation to the
- Respiratory system
- Skin
- Eyes

Delayed Symptoms/Effects: Repeated and prolonged exposure may cause
- Cancer
- Sensitization of the respiratory system
- Eye sensitization
- Skin sensitization

See section 11 – Toxicological information.

4.3. Indication of any immediate attention and special treatment needed

Not available

Section 5 FIRE-FIGHTING MEASURES

Product as sold does not present any special risk concerning fire or explosion hazard.

Flash point:	Not applicable
Auto-ignition temperature:	Variable: Typically 400°F – 500°F (204°C – 260°C) for wood dust.
Explosive limits:	Depending on moisture content, particle diameter and airborne concentration, a dust cloud can create an explosion hazard in presence of an ignition source. Conduct regular cleaning to prevent excessive dust accumulations.

5.1. Extinguishing media

Suitable:	Dry chemical, foam, water spray and carbon dioxide (wood dust)
Unsuitable:	Carbon dioxide, in case of Class A fire (combustible solid)

5.2. Special hazards arising from the substance or mixture

MDF is a class A combustible material.

Natural decomposition of organic materials such as wood may produce toxic gases and an oxygen deficient atmosphere in enclosed or poorly ventilated areas. Thermal decomposition (i.e. smoldering, burning) products include carbon monoxide and carbon dioxide, nitrogen and other hazardous gases and particles.

5.3. Advice for firefighters

Wet down wood dust with water to reduce likelihood of ignition or dispersion of dust in the air.. Beware of potential combustible dust explosion hazard. Wear fire protection equipment and also self-containing breathing apparatus appropriate for the surrounding fire.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use approved filtering dust masks or higher levels of respiratory protection. Eye protection is recommended where ventilation is not possible, where exposure limits may be exceeded or for additional worker comfort.

6.2. Environment precautions

No special measures required

6.3. Methods and material for containment and cleaning up

Wood dust should be cleaned up frequently. To avoid dispersing dust in air, scoop up into containers or vacuum with an appropriate filter. Do not use compressed air for cleaning. Damp mop any residue. Place recovered wood dust in a container for proper disposal**.**

6.4. Reference to other sections

See section 7 for information on safe handling and storage
See section 8 for information on personal protection equipment

Section 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Protect exposed areas from cuts, crash or abrasions. Avoid dust generation and accumulation. Avoid any source of heat or ignition as well as activities that could generate high amounts of wood dust which can be a source of fire and combustible wood dust explosions. If dust is generated as a result of downstream activities, wear respiratory protection, avoid prolonged exposure and avoid contact with eyes and skin.

7.2. Conditions for safe storage, including incompatibilities

Store in a dry, well-ventilated area with normal room temperature, away from ignition sources.

7.3. Specific end uses

No information available

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Generation of wood dust needs to be controlled during downstream activities.

8.2. Exposure controls

	ACGIH	NIOSH	OSHA
Wood * (wood dust, softwood or hardwood, logs, wood chips)	1 mg/m³ TWA	1 mg/m³ TWA	15 mg/m³ total dust 5mg/m³ respirable fraction
Formaldehyde (50-00-0)	0,3 ppm TLV	0,016 ppm TWA	0,75 ppm TWA 2,00 ppm STEL 0,5 ppm action level

*Applicable for all wood species except Western Red Cheddar.

Engineering controls:

No special requirements for product as sold.
Provide adequate ventilation to meet exposure limits if fabrication operations generate dust or chips to keep airborne contaminants below applicable threshold limit values.
Electrically ground and bond all equipment to avoid generation of sparks.

Personal protective equipment

Respiratory protection:	When ventilation is not adequate, wear an approved/certified respirator with an appropriate particulate dust filter.
Skin protection:	Gloves suitable for protection against repeated skin contact, cuts and abrasions from sharp edges are recommended.
Eye protection:	Wear safety glasses during fabrication operations

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Veneered, solid board
Autoignition	No data available
Burning time	No data available
Color	See section 1 – product description
Decomposition temperature	No data available
Density	± 700 kg/m³
Lower Explosive Limit	40 g/m³
Upper Explosive Limit	No data available
Flammability	EN 13501-1: D-s1-d0
Flash point	Not applicable
Odor/ Odor Threshold	No data available
Physical state	Solid
Solubility	Not soluble in water

9.2. Other information

No other information available

Section 10 STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive under normal conditions of use, storage or transport.

10.2. Chemical stability

Stable under recommended conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Avoid all sources of ignition.

10.5. Incompatible materials

Avoid contact with oxidizing agents and strong acids.

10.5. Hazardous decomposition or by-products

Thermal decomposition may produce irritating and toxic fumes and gases, including carbon monoxide and carbon dioxide, nitrogen and other.

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Section 11 TOXICOLOGICAL INFORMATION

Not applicable for the product in the form it is shipped by the manufacturer.

Routes of exposure: Inhalation, skin, eye
Target organs: Skin, lungs, respiratory system
Potential health effects: No adverse health effects are expected if the product is handled in accordance with this safety datasheet. In case of overexposure or disregard of this safety datasheet, health effects mentioned in Section 4 may arise.
Acute Symptoms/Effects: Wood dust may cause irritation to the

- Respiratory system
- Skin
- Eyes

Delayed Symptoms/Effects: Repeated and prolonged exposure may cause

- Sensitization of the respiratory system
- Eye sensitization
- Skin sensitization
- Cancer

Wood dust and formaldehyde are classified as carcinogen by NTP and IARC. This classification is primarily based on studies showing an association between occupational exposure to wood dust and adenocarcinoma of the nasal cavities and paranasal sinuses.

		Carcinogenic listing		
	CAS	NTP	IARC	OSHA
Wood Dust	/	Known Human Carcinogen	Carcinogenic	/
Formaldehyde	50-00-0			Regulated carcinogen

Section 12 ECOLOGICAL INFORMATION

12.1. Toxicity

Not applicable for finished product

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

Not applicable for finished product

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

Not applicable

12.6. Other adverse effects

No information available

Section 13 DISPOSAL CONSIDERATIONS

Dispose of the product and packaging in accordance with applicable, local or national disposal regulations.

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Section 14 TRANSPORT INFORMATION

This product does not require special precautions during transport, not regulated as hazardous material.

14.1. UN proper shipping name	Not applicable
14.2. UN/NA ID number	Not applicable
14.3. Transport hazard class	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable
14.6. Special precautions	Not applicable

Section 15 REGULATORY INFORMATION

	Veneered panel	**Wood dust**	**Formaldehyde**
US - OSHA	Wood products are not hazardous under the criteria of the Federal OSHA Hazard Communication Standard. However, wood dust generated from downstream activities is regulated as hazardous.		1000 lb TQ
US - TSCA	The product is fabricated by attaching wood veneers to TSCA Title VI compliant platforms with a non-added formaldehyde (NAF) resin. The product fulfills the requirements of 40 CFR Part 770.		
US - CERCLA	n.a.	n.a.	100 lb RQ
US - SARA	Immediate hazard – yes Delayed hazard – yes Fire hazard – yes Pressure hazard – no Reactivity hazard - no		
section 302:	n.a.	n.a.	500 lb TPQ
Section 304:	n.a.	n.a.	100 lb RQ
section 313:	n.a.	n.a.	0,1%
CA PROP 65	 Warning! Processing of wood products can expose you to wood dust and other chemicals, including formaldehyde which are known to the state of California to cause cancer.		
CA DSL	Complies with inventory requirements		
CA WHMIS	Not listed	n.a.	0,1%

Section 16 OTHER INFORMATION

User responsibility:
To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that are the only hazards that exist.

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Definition of common terms:

LEL	= Lower Explosive Limit
UEL	= Upper Explosive Limit
GHS	= Globally Harmonized System of Classification and Labelling of Chemicals
MDF	= Medium-Density Fiberboard
PVAC	= Polyvinyl acetate
REACH	= Registration, Evaluation, Authorization and Restriction of Chemicals
OSHA	= Occupational Health and Safety Administration
NTP	= National Toxicology Program
IARC	= International Agency for Research on Cancer
TSCA	= Toxic Substances Control Act
CERCLA	= Comprehensive Environmental Response, Compensation and Liability Act
SARA	= Superfund Amendments and Reauthorization Act
CA PROP 65	= Californian Proposition 65
DSL	= Domestic Substances List
WHMIS	= Workplace Hazardous Materials Identification System
n.a.	= Not applicable
TWA	= 8-hour time weighted average
TLV	= Threshold limit value
STEL	= Short term exposure level

*Please note that the information in this brochure may be outdated and a new version may already have been issued. That is why we recommend you to always consult our website to download the most recent version.

END OF MSDS DOCUMENT