



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15475-10-1001

MOSO® Bambus Balken

Product group: Wood & Wood materials - Construction timber & laths



MOSO International B.V.
Adam Smithweg 2
1689 ZW Zwaag



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 2026



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The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar





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QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

Criteria	Pos. / product group	Considered substances	QNG assessment
3.1.3 Schadstoffvermeidung in Baumaterialien	not applicable	not applicable	QNG ready - Not relevant for assessment

Criteria	Assessment
ANF2-WG1 Nachhaltige Materialgewinnung	May positively contribute to the overall building score

Verification: FSC zertifiziert



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DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

Criteria	Assessment
ECO1.1 Life cycle cost (*)	May positively contribute to the overall building score
Verification: "Use Class 1 so will last long. Brinellhärte: ≥ 4 kg/mm ² (BL/HL), $\geq 9,5$ kg/mm ² (DT) (EN 1534)"	

Criteria	Assessment
ECO2.6 Climate resilience (*)	May positively contribute to the overall building score
Verification: "Most likely it helps somewhat, but not specifically testes for this. Wärmeleitfähigkeit: 0,17 W/mK (BL/HL), 0,19 W/mK (DT) (EN 12667) Wärmedurchlasswiderstand: 0,0882 m ² K/W (BL/HL), 0,0784 m ² K/W (DT) (EN 12667)"	

Criteria	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score
Verification: Yes, less CO ₂ than conventional materials such as PVC, WPC, metals "Increased durability yes: expected life span 30+ years. Brinellhärte: ≥ 4 kg/mm ² (BL/HL), $\geq 9,5$ kg/mm ² (DT) (EN 1534)"	

Criteria	Quality level
ENV1.3 Responsible resource extraction	May positively contribute to the overall building score
Verification: FSC	

Criteria	Assessment
SOC1.3 Sound insulation and acoustic comfort (*)	May positively contribute to the overall building score
Verification: Can have acoustic properties	



Criteria	Assessment
SOC1.4 Visual comfort (*)	May positively contribute to the overall building score
Verification: Aids to the biophillic design of a building	

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)			Not relevant for assessment
Verification: Nicht beschichtet			

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	not applicable		Not relevant for assessment
Verification: Nicht beschichtet			



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DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact			Not relevant for assessment
Verification: Nicht beschichtet			



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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt			Not relevant for assessment

Verification: Nicht beschichtet

Criteria	Assessment
1.1.7 Nachhaltige Materialgewinnung	May positively contribute to the overall building score

Verification: FSC zertifiziert



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EU taxonomy

The EU Taxonomy classifies economic activities and products according to their environmental impact. At the product level, the EU regulation defines clear requirements for harmful substances, formaldehyde and volatile organic compounds (VOCs). The Sentinel Holding Institut GmbH labels qualified products that meet this standard.

Criteria	Product type	Considered substances	Assessment
DNSH - Pollution prevention and control		Substances according to Annex C	EU taxonomy compliant
Verification: Herstellererklärung vom 22.08.2025			



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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.



The Forest Stewardship Council (FSC) label is awarded to products made wholly or partly from wood sourced from responsibly managed and controlled forestry. Health-related aspects of the final product are not part of the FSC assessment.



Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.



Product:

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Legal notices

(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/C3%BCfriterien%20f%C3%BCr%20Produkte>

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www.sentinel-holding.eu

CERTIFICATE

CERTIFICATION CODE: CU-COC-810267

Field of attention:

FSC® Chain of Custody (COC)

Issued to:

**MOSO International B.V.
Zwaag, NETHERLANDS
Project in: NETHERLANDS**

Standard:

FSC-STD-40-003 V2-1 CoC Certification of Multiple Sites;, FSC-STD-40-004 V3-1 Chain of Custody Certification, FSC-STD-50-001 V2-1 Requirements for use of the FSC trademarks by Certificate Holders;

Valid until: 23 December 2028

The validity of this certificate shall be verified on <http://info.fsc.org/>

Control Union Certifications declares to have inspected the unit(s), and/or products of the above mentioned certificate holder, and have found them in accordance with the standards mentioned above.

This certificate covers the unit(s), and/or product(s) as mentioned in the authenticated annex of this certificate. A full list of product groups covered by the certificate can be found on the FSC database of registered certificates (<http://info.fsc.org/>).

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

This certificate remains in force until further notice, provided that the participant continues to meet the conditions as laid down in the client contract with Control Union Certifications B.V. and verified in inspections by Control Union Certifications B.V.

Date of certification:
24 December 2023
Place and date of issue:
Zwolle, 16 December 2024

CERTIFICATE No: C 810267CU-
COC-01.2024

Declared by:



On behalf of the Managing Director

Mevrouw I.J.H. Dijkman

Certifier
Control Union Certifications B.V.
Meeuwenlaan 4-6
8011 BZ ZWOLLE
The Netherlands
<http://www.controlunion.com>
tel.: +31(0)38-4260100



The mark of
responsible forestry



**Annex to
CERTIFICATION CODE: CU-COC-810267
FSC® Chain of Custody (COC)**

MOSO International B.V.
Adam Smithweg 2
1689 ZW Zwaag
Nederland

This certificate gives the right, in accordance with the agreements in the licensee-contract, on the basis of the accreditation of CU by the Forest Stewardship Council (FSC), to use the FSC logo for the unit(s), process(es) and/or product(s) mentioned below. Use of the FSC logo on (trade) products is only allowed for products mentioned under "products" in conformity with the category.

This certificate and its copies or reproductions shall be returned to CU immediately on request. More information about the client and/or products and/or units can be obtained at the website of CU (www.controlunion.com/certifications) or by contacting CU.

This certificate, referred to in the client contract as scope certificate, covers the following product(s), which comply(ies) with the latest version of the CU Forestry Standards:

Certified products

Product no.	Name of product	Category	Processing unit(s)
P 064121	N5.4 Bamboo plywood	FSC 100%	PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227
P 064122	N5.5 Bamboo flooring	FSC 100%, FSC Mix	PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227
P 064123	N5.6 Bamboo furniture	FSC 100%	PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227
P 064124	N5.7 Bamboo household articles and wickerwork	FSC 100%	PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227
P 063786	W7 Veneer	FSC 100%, FSC Mix	PRC 010770, PRC 010771, PRC 010774, PRC 038595, PRC 095073, PRC 101227

This certificate covers the following Processing Unit(s), which comply(ies) with the latest version of the CU Forestry Standards:

Processing unit(s)

Unit no.	Name of unit	Unit ref.	Address	Processes
PRC 010771	MVP International B.V.	D-02	Adam Smithweg 2 Zwaag Nederland	Broker/trader without physical possession
PRC 010774	MOSO Europe SLU	D-03	C/ Pau Claris, 83 - Pral 2 ^a Barcelona, Andalusia SPAIN	Broker/trader without physical possession
PRC 038595	Anji Moso Bamboo Products Company Ltd	D-05	No.2 Building, Tangpu Industrial Zone. Anji Economic Development Area Huzhou City, Zhejiang Sheng CHINA	Broker/trader without physical possession
PRC 095073	MOSO Italia SRL	D-06	Via A. Locatelli, 86 Biassono (MB), Lombardia ITALY	Broker/trader without physical possession
PRC 101227	Shaoxing MOSO Bamboo Products Company LTD	D-07	Room 401, Building 1, No.125, Wolong Road Shaoxing, Zhejiang Sheng CHINA	Broker/trader without physical possession



Annex to
CERTIFICATION CODE: CU-COC-810267
FSC® Chain of Custody (COC)

Unit no.	Name of unit	Unit ref.	Address	Processes
PRC 010770	MOSO International B.V.	ICS	Adam Smithweg 2 Zwaag, Noord-Holland Nederland	Broker/trader with physical possession

This certificate including the annex remains property of Control Union Certifications B.V. and can be withdrawn in case of terminations as mentioned in the licensee contract, or in case changes or deviations of the above mentioned data occur. The licensee is obliged to inform Control Union Certifications B.V. immediately of any changes in the above mentioned data. Only an original and signed certificate with accompanying attachments is valid.

Date of certification:
24 December 2023

Authenticated by

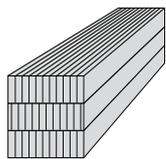
Place and date of issue:
Zwolle, 16 December 2024

On behalf of the Managing Director
Mevrouw I.J.H. Dijkman
Certifier

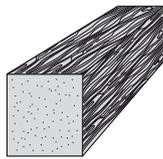
This certificate cannot be used as guarantee certificate for delivered goods!

MOSO® Bambus Konstruktionsbalken (Innenbereich)

MOSO® Bambus Konstruktionsbalken können für Anwendungen im Innenbereich, wie Türen und Zargen eingesetzt werden, für welche üblicherweise (tropisches) Hartholz verwendet wird. MOSO® Massivbalken sind, im Gegensatz zu Balken aus (tropischem) Hartholz viel stabiler und einfacher zu bearbeiten. Es entstehen außerdem keine Probleme durch Harze. Die Standardlänge der Balken ist 2440 mm, durch Keilzinken sind andere Längen möglich. Die Balken sind in den Farben naturhell und gedämpft erhältlich, sowohl in der extra harten Density®-Version (tropischer Hartholz-Look) als auch in der Hochkantlamelle-/Breitlamelle-Version (sichtbare Bambusknoten). Speziell in der Hochkantlamelle/Breitlamelle-Version entsteht ein besonderes Linienmuster nach der maschinellen Bearbeitung.



Hochkantlamelle



Density*

Hochkantlamelle
Naturhell/Gedämpft



Density®
Naturhell/Gedämpft



*) Achtung: Die Oberfläche dieses Produkt ist fein gesägt (raue Oberfläche) und kann jederzeit weiterverarbeitet werden bis eine feine, glatte Oberfläche entsteht.

Naturhell	Gedämpft	Optik	Aufbau (mm)	Abmessungen (mm)
BL-200-244	BL-250-244	Hochkantlamelle	3x18,3	2440x55x55
	BL-260-244	Hochkantlamelle	5x20	2440x120x100
	BL-261-244	Hochkantlamelle	6-20-20-20-6	2440x120x72
	BL-262-244	Hochkantlamelle	3x20	2440x120x60
BL-DT211-244*	BL-DT261-244*	Density®	1x72	2440x120x72

Andere Abmessungen auf Anfrage.

Technische Daten und Zertifikate

- Dichte (Produkt): +/- 700 kg/m³ (HL), +/- 1050 kg/m³ (DT)
- Differenzielles Quellmaß Bambus: 0,14% pro 1% Holzfeuchteveränderung (HL)
- Feuchtigkeitsgehalt: 10% bei 20°C und 65% relativer Luftfeuchte
8% bei 20°C und 50% relativer Luftfeuchte (HL)
- Brinellhärte: ≥ 4 kg/mm² (HL), ≥ 9,5 kg/mm² (DT) (EN 1534)
- Brandverhalten: Klasse D-s1-d¹⁾ (HL), Klasse C-s1-d0 (>1050 kg/m³)²⁾ (DT), Klasse B-s1-d0 (>1150 kg/m³ auf Anfrage erhältlich)²⁾ (DT) (EN 13501-1)
- Emissions-Klasse: Klasse E1 (< 0,124 mg/m³) (EN 717-1)
- Elastizitätsmodul: +/- 9721 N/mm² (HL), +/- 8866 N/mm² (BL), +/- 12505 N/mm² (DT) (Mittelwert - EN 408)
- Bruchfestigkeit: +/- 56,7 N/mm² (HL), 50,8 N/mm² (BL), 65,4 N/mm² (DT) (Kennwert - EN 408)
- Gebrauchsklasse: Klasse 1 (EN 335)
- Leim: D3-wasserbeständig
- CO₂-neutral: LCA Bericht TU Delft (ISO 14040/44) (www.moso-bamboo.com/lca)
- Environmental Product Declaration - EPD (EN 15804) verfügbar auf www.moso-bamboo.com/epd
- FSC®: FSC®-zertifizierte Produkte erhältlich auf Anfrage.
- Beitrag LEED BD+C - v4: MR1, MR2, MR3 (FSC®), EQ2
v2009: MR 6, MR 7 (FSC®), IEQ 4.4 (wenn mit E0 Klebstoffe produziert)
- Beitrag BREEAM: HEA 2, MAT 1, MAT 3 (FSC®), MAT 5 (DT)

¹⁾ Geprüft auf 40 mm Dicke, als Platte, mit Lüftungsraum hinter den Platten.

²⁾ Geprüft auf 18 mm Dicke, ohne Spalten zwischen den Platten, mit Lüftungsraum hinter den Platten



The mark of
responsible forestry
FSC® C002063

SAFETY DATA SHEET

MOSO BAMBOO SOLID BEAMS (SP-PP)

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: MOSO® Bamboo Solid Beams

Supplier: Moso International BV T +31(0)229 265732
Adam Smithweg 2 F +31(0)229 267759
NL-1689 ZW Zwaag info@moso.eu
The Netherlands www.moso.eu

Description: The Moso bamboo products are composed of bamboo strips and possible other materials, bonded with adhesives from third party manufacturers.

2) HAZARDS IDENTIFICATION

Important hazards: Sawing, sanding or machining bamboo products can produce dust which can cause an explosion hazard. Dust or splinters may cause upper respiratory tract, eye and skin irritation.

Inhalation: Dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing, headache and sinusitis. Repeated or prolonged exposure at elevated dust levels may result in allergic responses or respiratory sensitization in some individuals.

Skin contact: Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to dust.

Eye contact: Dust or splinters may cause irritation or injury to the eyes.

Ingestion: Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

Chemical product specific hazards: During manufacturing, there may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area. Ventilation in areas where product is stored is recommended.

Outline of an anticipated emergency:

HMIS rating: Health = 0, Fire = 1, Physical Hazard = 0, Personal Protection = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic hazard

3) COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Content (% Weight)
Bamboo (<i>Phyllostachys pubescens</i>)	n.a.	98 - 99 %
Melamine Formaldehyde Resin (MF)	25036-13-9	< 2 %

Wood and wood products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood/Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous.

4) FIRST-AID MEASURES

- Inhalation:** If inhaled, immediately remove the affected person to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.
- Skin contact:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Eye contact:** Do not rub your eyes. Particles may cause the eye to be scratched. Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
- Ingestion:** Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

5) FIRE-FIGHTING MEASURES

Sawing, sanding or machining bamboo/wood or bamboo/wood products can produce dust which is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lower explosion limit (LEL) for bamboo/wood dust.

Extinguishing media: Water spray, carbon dioxide or dry chemical

Specific hazards: Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.

Specific extinguishing methods: Firefighters should wear protective clothing including self-contained breathing apparatus (SCBA) to avoid breathing any wood combustion products. Partially burned dust is especially hazardous if dispersed into the air. Wet down dust to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.

6) ACCIDENTAL RELEASE MEASURES

Not applicable for product in its purchased form. Sweep or vacuum dust generated from sawing, sanding or manufacturing for recovery or disposal. Wet down accumulated wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Use with adequate ventilation. Do not inhale dusts during clean up. Use approved dust mask or filtering face piece where ventilation is not possible and exposure limits could be exceeded.

7) HANDLING AND STORAGE

Handling: Use this product with adequate ventilation. Avoid frequent or prolonged inhalation of wood dust. Goggles or safety glasses are recommended to protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear. Bamboo and bamboo products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Wet down bamboo dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Storage: Store flat, supported and protected from direct contact with the ground, in a well-ventilated, cool, dry place, avoid high moisture and humidity, away from open flames or temperatures high enough to ignite or cause smoldering combustion.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining bamboo and bamboo products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, machining this product. General dilution ventilation is recommended in processing and storage areas.

Personal protective equipment:

General: Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of the combustible material. Minimize generation of airborne dust concentrations.

Respiratory protection: An approved dust mask or filtering face piece is recommended in dusty environments and where ventilation is not sufficient to keep dust levels below permissible exposure limits.

Eye protection: Goggles or safety glasses are recommended when sawing, sanding or machining this product.

Skin and body protection: Protective clothing and gloves are recommended when sawing, sanding, machining or otherwise handling bamboo and bamboo products. Wash exposed area thoroughly after working with the bamboo, before eating, drinking, and use of tobacco products.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Veneer, available in various styles, colors and sizes.
Physical state: Solid
Density: approx. 700 kg/m³
Solubility (H₂O): Insoluble

10) STABILITY AND REACTIVITY

Chemical stability: This product is stable under ordinary conditions of use. There may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area.

Conditions to avoid: Avoid excess heat, open flames, and sparks. Avoid contact with incompatible materials. Avoid prolonged direct sunlight and moisture/humidity.

Hazardous reactions: Will not occur

Incompatible materials: Will not occur

Hazardous decomposition products: Burning of any bamboo/wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

11) TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: Bamboo dust generated from sawing, sanding, or machining may cause temporary nasal dryness, irritation of the eyes and upper respiratory system, coughing. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals present in the wood.

Carcinogenicity: Not available for product in purchased form.

Formaldehyde vapor and water solution may irritate the nose, throat, eyes and skin. Formaldehyde solution may cause irritation and skin allergies. The International Agency for Research on Cancer (IARC) has reported that formaldehyde vapor is harmful to human health and may increase the possibility of lung cancer. From animal experiments, it is clear that prolonged exposure to a high concentration of formaldehyde vapor may lead to lung cancer.

Over 150,000 people are involved in occupational disease research, but research can provide limited evidence that formaldehyde emission leads to the increase of lung cancer and rhinal throat cancer.

12) ECOLOGICAL INFORMATION

No data available for this product. This product is expected to be inherently biodegradable.

13) DISPOSAL CONSIDERATIONS

Dispose of material according to local, state, federal and provincial regulations.

14) TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15) REGULATORY INFORMATION

This list does not represent an all-inclusive-selection of regulations.

OSHA: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard (29 CFR 1910.1200). Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

REACH: Wood and wood products are considered manufactured articles and are exempt under REACH (EU Regulation (EC) No. 1907/2006). None of the components of the product are listed in Annex XIV - List of substances subject to authorization.

16) OTHER INFORMATION

Disclaimer: **IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Moso International BV, makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Moso International BV, will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

SAFETY DATA SHEET

MOSO BAMBOO SOLID BEAM (HD)

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: MOSO® Bamboo Solid Beam
High Density Version

Supplier: Moso International BV T +31(0)229 265732
Adam Smithweg 2 F +31(0)229 267759
NL-1689 ZW Zwaag info@moso.eu
The Netherlands www.moso.eu

Description: The Moso bamboo products are composed of bamboo strips and possible other materials, bonded with adhesives, finished with coating or oil, from third party manufacturers.

2) HAZARDS IDENTIFICATION

Important hazards: Sawing, sanding or machining bamboo products can produce dust which can cause an explosion hazard. Dust or splinters may cause upper respiratory tract, eye and skin irritation.

Inhalation: Dust may cause respiratory irritation, nasal dryness, coughing, sneezing, wheezing, headache and sinusitis. Repeated or prolonged exposure at elevated dust levels may result in allergic responses or respiratory sensitization in some individuals.

Skin contact: Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to dust.

Eye contact: Dust or splinters may cause irritation or injury to the eyes.

Ingestion: Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

Chemical product specific hazards: During manufacturing, there may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area. Ventilation in areas where product is stored is recommended.

Outline of an anticipated emergency:

HMIS rating: Health = 0, Fire = 1, Physical Hazard = 0, Personal Protection = 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic hazard

3) COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Content (% Weight)
Bamboo (<i>Phyllostachys pubescens</i>)	n.a.	96 - 97 %
Phenol Formaldehyde Resin (PF)	9003-35-4	< 4 %

Wood and wood products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood/Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous.

4) FIRST-AID MEASURES

- Inhalation: If inhaled, immediately remove the affected person to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.
- Skin contact: For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
- Eye contact: Do not rub your eyes. Particles may cause the eye to be scratched. Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
- Ingestion: Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

5) FIRE-FIGHTING MEASURES

Sawing, sanding or machining bamboo/wood or bamboo/wood products can produce dust which is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lower explosion limit (LEL) for bamboo/wood dust.

Extinguishing media: Water spray, carbon dioxide or dry chemical

Specific hazards: Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.

Specific extinguishing methods: Firefighters should wear protective clothing including self-contained breathing apparatus (SCBA) to avoid breathing any wood combustion products. Partially burned dust is especially hazardous if dispersed into the air. Wet down dust to reduce likelihood of ignition or dispersion. Remove burned or wet dust to open, secure area after fire is extinguished.

6) ACCIDENTAL RELEASE MEASURES

Not applicable for product in its purchased form. Sweep or vacuum dust generated from sawing, sanding or manufacturing for recovery or disposal. Wet down accumulated wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Use with adequate ventilation. Do not inhale dusts during clean up. Use approved dust mask or filtering face piece where ventilation is not possible and exposure limits could be exceeded.

7) HANDLING AND STORAGE

Handling: Use this product with adequate ventilation. Avoid frequent or prolonged inhalation of wood dust. Goggles or safety glasses are recommended to protect eyes from flying particles. Avoid contact with skin and wash exposed areas thoroughly. Change protective clothing and gloves when signs of contamination appear. Bamboo and bamboo products are combustible and, therefore, should not be subjected to temperatures exceeding the auto ignition temperature. Wet down bamboo dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

Storage: Store flat, supported and protected from direct contact with the ground, in a well-ventilated, cool, dry place, avoid high moisture and humidity, away from open flames or temperatures high enough to ignite or cause smoldering combustion.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining bamboo and bamboo products to prevent sparks or other ignition sources in ventilation equipment. Local exhaust ventilation is recommended when sawing, sanding, machining this product. General dilution ventilation is recommended in processing and storage areas.

Personal protective equipment:

General: Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of the combustible material. Minimize generation of airborne dust concentrations.

Respiratory protection: An approved dust mask or filtering face piece is recommended in dusty environments and where ventilation is not sufficient to keep dust levels below permissible exposure limits.

Eye protection: Goggles or safety glasses are recommended when sawing, sanding or machining this product.

Skin and body protection: Protective clothing and gloves are recommended when sawing, sanding, machining or otherwise handling bamboo and bamboo products. Wash exposed area thoroughly after working with the bamboo, before eating, drinking, and use of tobacco products.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Material, available in various styles, colors and sizes.
Physical state: Solid
Density: approx. 1050-1100 kg/m³
Solubility (H₂O): Insoluble

10) STABILITY AND REACTIVITY

Chemical stability: This product is stable under ordinary conditions of use. There may be a slight release of formaldehyde from uncovered products; however, the tested concentration is at or below the emission class E1. The release of formaldehyde decreases over time according to well established decay dynamics. The concentration will reach its peak value in a confined area.

Conditions to avoid: Avoid excess heat, open flames, and sparks. Avoid contact with incompatible materials. Avoid prolonged direct sunlight and moisture/humidity.

Hazardous reactions: Will not occur

Incompatible materials: Will not occur

Hazardous decomposition products: Burning of any bamboo/wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

11) TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: Bamboo dust generated from sawing, sanding, or machining may cause temporary nasal dryness, irritation of the eyes and upper respiratory system, coughing. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals present in the wood.

Carcinogenicity: Not available for product in purchased form.

Formaldehyde vapor and water solution may irritate the nose, throat, eyes and skin. Formaldehyde solution may cause irritation and skin allergies. The International Agency for Research on Cancer (IARC) has reported that formaldehyde vapor is harmful to human health and may increase the possibility of lung cancer. From animal experiments, it is clear that prolonged exposure to a high concentration of formaldehyde vapor may lead to lung cancer.

Over 150,000 people are involved in occupational disease research, but research can provide limited evidence that formaldehyde emission leads to the increase of lung cancer and rhinal throat cancer.

12) ECOLOGICAL INFORMATION

No data available for this product. This product is expected to be inherently biodegradable.

13) DISPOSAL CONSIDERATIONS

Dispose of material according to local, state, federal and provincial regulations.

14) TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15) REGULATORY INFORMATION

This list does not represent an all-inclusive-selection of regulations.

OSHA: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard (29 CFR 1910.1200). Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

REACH: Wood and wood products are considered manufactured articles and are exempt under REACH (EU Regulation (EC) No. 1907/2006). None of the components of the product are listed in Annex XIV - List of substances subject to authorization.

16) OTHER INFORMATION

Disclaimer: **IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Moso International BV, makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Moso International BV, will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

HERSTELLERERKLÄRUNG EU-TAXONOMIE VERORDNUNG

Zur Bestätigung der Konformität gemäß Anlage C zur Vermeidung und Verminderung der Umweltverschmutzung gemäß der Delegierten Verordnung (EU) 2023/2486 der Kommission vom 27. Juni 2023.

Hiermit bestätigen wir:

MOSO International B.V.

Adam Smithweg 2, 1689 ZW, Zwaag

Niederlande

für das folgende Produkt / die folgenden Produkte:

MOSO Bamboo Outdoor products

MOSO Bamboo Solid Panels Veneers and Beams

MOSO Bamboo Flooring

Das Produkt/ Erzeugnis/ mindestens ein Teilerzeugnis enthält Stoffe der Kandidatenliste (Version zum Ausstellungsdatum) oberhalb 0,1 Massen%:	nein
Das Produkt/Erzeugnis/mindestens ein Teilerzeugnis enthält weitere CMR-Stoffe der Kategorie 1A oder 1B, die nicht auf der Kandidatenliste stehen, oberhalb von 0,1 Massen-% in mindestens einem Teilerzeugnis:	nein

Ort, Datum, Unterschrift, Stempel

22/7/2025 Zwaag 

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1689 ZW Zwaag
The Netherlands

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