

Global Ventures Australia

ABN 77 065 255 763

Eco-Core Moso Solid Bamboo Blockboard

MATERIAL SAFETY DATA SHEET

Issue Date: 06.2017

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SECTION 1 PRODUCT IDENTIFICATION

Product Identification

Product Name	Eco-Core Moso Solid Bamboo Blockboard
Timber Species	Bamboo

Details of the Company

Company Name	Global Ventures Australia Pty Ltd
Address	Unit 13 / 22 Beaumont Road Mount Kuring Gai NSW 2080 Australia
Phone	+ 61 2 9457 7171
Website	www.ecocore.com.au
Email	enquiries@globalventures.com.au

SECTION 2 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	Light tan to dark tan. Colour and odour are dependent on the species
Physical State	Solid
Boiling Point	Not applicable
PH	Not applicable
Melting Point	Not applicable
Vapour Pressure	Not applicable
Solubility in Water	Not applicable
Water	Not applicable
Vapour Density	Not applicable
Specific Gravity	<1.0
Average Density	Approximately 680 -700 Kg/m ³
Formaldehyde Emission Class	E1

No hazardous ingredients. No chemical residue is left on the surface of the board.

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview	Bamboo and bamboo products are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Bamboo dust, a by-product generated from sawing, sanding or machining bamboo and bamboo products, may be hazardous. Dust or splinters may cause upper respiratory tract, eye and skin irritation. 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.
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Potential Health Effects

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

Skin Contact	Various species of bamboo dust may evoke allergic contact dermatitis in sensitized individuals. If an allergy pre-exists or develops, it may be necessary to remove the sensitized worker from further exposure to plywood dust or plywood based products. Certain species of bamboo/wood may cause allergic contact dermatitis in sensitized individuals. If an allergy pre-exists or develops, it may be necessary to remove the sensitized worker from further exposure to dust.
Ingestion	Not applicable under normal conditions of use

SECTION 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.
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.
Skin Contact	Wash affected areas with soap and water. If rash or persistent irritation or dermatitis occurs, seek medical attention.
Ingestion	Not applicable under normal use. If ingested, may cause gastrointestinal tract irritation.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point	Not applicable
Explosion Hazard	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.
Fire Extinguishing Media	Water spray, carbon dioxide or dry chemical. Partially burned dust is especially hazardous if dispersed into the air. Remove burned or wet dust to open area after fire is extinguished.
Hazardous Combustion	Burning of bamboo/wood can produce irritating fumes and gases including carbon monoxide, aldehydes and organic acids.
Auto Ignition Temperature	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.

SECTION 6 ACCIDENTAL RELEASE MEASURE

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.

SECTION 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 smouldering combustion.

SECTION 8 EXPOSURE CONTROLS / 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. 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. Wear NIOSH/OSHA approved respirator when the exposure limits to plywood dust may be exceeded.
Eye Protection	Recommended goggles or safety glasses as conditions indicate when sawing, sanding or machining plywood products.
Skin Protection	Protective equipment such as gloves and outer garments may be needed to reduce skin contact 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. Following are plywood dust exposure limits, which are in accordance with those recommended by OSHA in the 1989 revision of PELs. Wood Dust OSHA PEL-TWA – 5mg/m ³ OSHA PEL-STEL – 10mg/m ³

SECTION 9 STABILITY AND REACTIVITY

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.
Incompatibility (Materials to avoid)	Will not occur
Harzadous Polymerization	Will not occur

SECTION 10 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 dusts due to the chemicals present in the material.
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.
Emission	This product is expected to be inherently biodegradable. Formadehyde Emission rate conforms to E1

SECTION 11 DISPOSAL CONSIDERATION

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This product is not considered hazardous waste under Federal Hazardous Waste Regulations 40 CFR 251. Please be advised, however, state and local requirements for waste disposal may be different from federal regulations.

Dispose of or landfill in accordance with local, state and federal regulations

SECTION 12 TRANSPORT INFORMATION

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations. When transporting, it is necessary to keep the product flat in a dry environment away from moisture and wet conditions.

SECTION 13 REGULATORY INFORMATION

OSHA	Bamboo/Wood and bamboo/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 bamboo/wood and bamboo/wood products, is considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200). This list does not represent an all-inclusive-selection of regulations.
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SECTION 14 OTHER INFORMATION

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. The manufacturer and its subsidiaries make no warranty of any kind, express 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. The manufacturer and its subsidiaries 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.

This Material Safety Data Sheet is being furnished for similar plywood produced by different manufacturers.