

MSDS

NO.: A001R140826075003A1

Date: Sep 15, 2014

Page 1 of 5

MSDS

Samples Name: Outback Engineered Bamboo Composite Decking

Model: /

Client Name: High Design Laminates Co., Limited

Client Address: Room 202, Building 7, No.288 Songwen Rd, Qingpu, Shanghai, 201700, China

Signed for and on behalf of
Shenzhen AOV Testing Technology Co., Ltd



Tested by: Morrse
Mo Hai Bin, Morrse
Project Leader

Reviewed by: Rosary
Luo Jun, Rosary
Vice Technical Supervisor

Approved by: Lewis
Liu Lin Wen, Lewis
Technical Supervisor

MSDS

NO.: A001R140826075003A1

Date: Sep 15, 2014

Page 2 of 5

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: Outback Engineered Bamboo Composite Decking

Manufacture: High Design Laminates Co., Limited

Address: Room 202, Building 7, No.288 Songwen Rd, Qingpu, Shanghai, 201700, China

Tel: +86 152 2188 2388

Emergency Telephone: /

Fax: /

Email: Hi.designs@163.com

Section 2 - Hazards Summarizing

Fatalness grade: In accordance with Regulation (EC) No. 1272/2008, the sample does not belong to dangerous article.

Invasion route: Skin contact: No known significant effects or critical hazards.

Ingestion: Under normal conditions, the sample can't be intake because of the size.

Health hazards: The sample itself has non-toxic. Its thermal decomposition product has the stimulation to the respiratory tracts.

Environment hazards: No known significant effects or critical hazards.

Burn & burst danger: The sample can burn.

Section 3 -Composition/Information on Ingredients

 Substance

 Admixture

Composition:

Chemical Name		In % By Weight	CAS No.	Molecular Formula
Polyolefin (high density polyethylene)		48	9002-88-4	(C ₂ H ₄) _n
Bamboo flour		45	NA	NA
Other ingredients	Anti mould agent	7	NA	NA
	Coupling agent		NA	NA
	Anti uv agent		NA	NA
	Colour agent		NA	NA

Abbreviation: CAS: Chemical Abstract Service Registry Number.

NA = Not apply.

Section 4 - First Aid Measures

Skin contact: Remove contaminated clothes and rinse the skin with plenty of water.

Eyes contact: No applicable.

Inhalation: No applicable.

Ingestion: Gargle, Get medical aid.

MSDS

NO.: A001R140826075003A1

Date: Sep 15, 2014

Page 3 of 5

Section 5 - Fire Fighting Measures

Danger characteristic: It is apt to flame under the condition of fire.

Hazardous combustion products: CO, CO₂

Fire-Fighting method & media: The staff must equip with filter mask (full mask) or isolated breathing apparatus, wear clothes which can defense fire and toxic gases. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible. Spray water on the containers in the fireplace to keep them cool until finish extinguishment. Media: hazy water, foam, powder, CO₂, sandy clay.

Section 6 –Accidental Release Measures

Emergency treatment: Cut off the fire source. It is suggested that the staff wear self-contained breathing apparatus and dress in usual working clothes. Shut off the divulgence source as possible. Small divulgence: clean off and transport to safe place. Massive divulgence: recycle or transport to waste treatment place for handling.

Section 7 - Handling and Storage

Handling: Supply with natural air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear work clothes and gloves. Keep away from fire and heating sources. No smoking in the workplace. Avoid contacting with oxidizers. Take care when transport, prevent damaging the packing and container. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

Storage: Keep the sample in the cool, dry and well-ventilated place. Keep away from fire and heating sources. Keep separately from oxidizers, no mixing storage. Equip with relevant types and quantities of the extinguishment instruments. The storage place should be equipped with suitable shelter materials for divulgence handling.

Section 8 - Exposure Controls and Personal Protection

Maximum admissible concentration: No standard yet

Monitoring Method: None

Engineering Control: Supply with natural air exhaust.

Respiratory Protection: No special protection under normal use.

Eyes Protection: No special protection under normal use.

Body Protection: Wear work clothes.

Hands Protection: Wear protective gloves.

Other Protections: No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

Section 9 - Physical and Chemical Properties

Appearance: Solid

Color: Red

Odour: Odourless

Solubility: Insoluble in water.

Section 10 - Stability and Reactivity

Stability: Stable under normal temperature and pressure

Distribution of Ban: None

Conditions to Avoid: Heat source, fire source

Hazardous Polymerization: None

MSDS

NO.: A001R140826075003A1

Date: Sep 15, 2014

Page 4 of 5

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute Toxicity: No known significant effects or critical hazards.

Sub-acute and Chronic Toxicity: No known significant effects or critical hazards.

Irritation: No known significant effects or critical hazards.

Sensitization: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Others: None.

Section 12 - Ecological Information

Eco-toxicity: No information is available.

Biodegradable: No data.

Non-biodegradable: No data.

Bioconcentration or biological accumulation: No data.

Other harmful effects: No known significant effects or critical hazards.

Section 13 - Disposal Considerations

Nature of waste: This product is not regarded as hazardous waste, as defined by Regulation (EC) No. 1272/2008.

Waste disposal methods: Refer to National or Local regulations before handling. It is suggested that use the method of burning.

Attention abandoned: None.

Section 14 - Transport Information

Category of dangerous goods: No applicable.

UN Number: No applicable.

Packaging Mark: No data.

Packaging Method: No data.

Transport Attentions: Examine whether the package of the containers are integrate and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. Don't use engine device and tools which can easily produce spark for loading. When transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source. The sample is not regulated for transport of dangerous goods.

Section 15 - Regulatory Information

Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.

MSDS

NO.: A001R140826075003A1

Date: Sep 15, 2014

Page 5 of 5

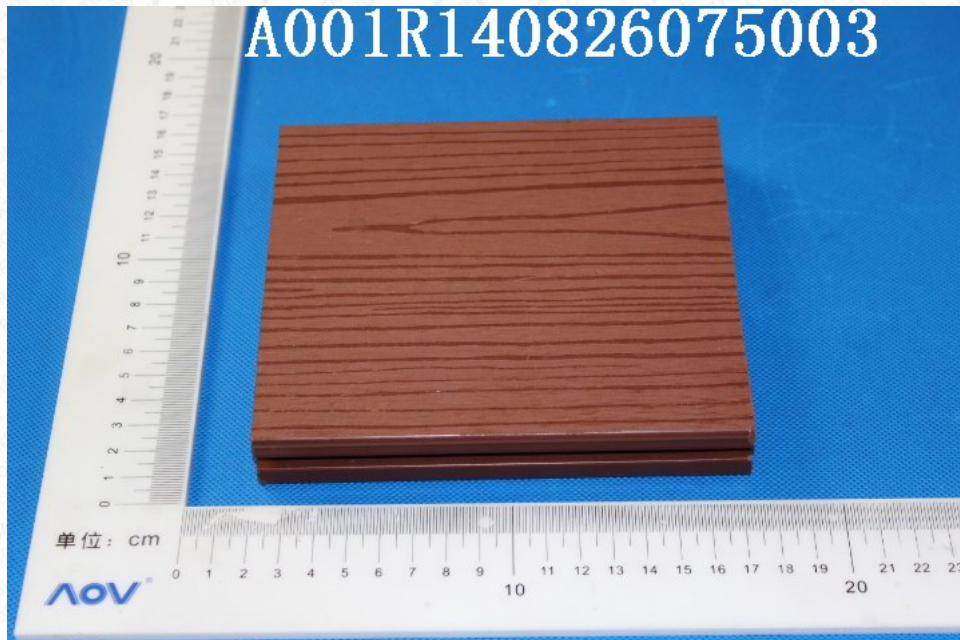
Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Note:

- Photo is included
- The MSDS report A001R140826075003A1 supersedes the MSDS report A001R140826075003 which is withdrawn.

Photograph of Sample



Outback Engineered Bamboo Composite Decking

End of MSDS