

Re: "Artomat WPC" Composite Wood Decking, Wall Fence & Handrail

Manufacturer Identification

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

1. Product name:	Oak & Eucalyptus Fiber Flour/Plastic Composite Decking Material
2. Brand name:	"Artomat WPC"
3. Manufacturer:	Green Carpenters Environmental Protection Board Limited
4. For further information:	info@longmaxpro.com
5. Emergency Telephone number:	+852 2111 5884
6. Facsimile:	+852 2111 5157
7. Product use:	Building Materials/Flooring – Residential or Commercial
8. Appearance & Odor:	No appreciable odor

2. HAZARDS IDENTIFICATION

1. Appearance & Color:	A variety of designs, colors, surfaces, and sizes.
2. Primary Health Hazards:	None.
3. Primary Route(s) of Exposure:	Ingestion/ Skin/inhalation: Not Applicable.
4. Poison Schedule:	Not Applicable.
5. UN No.:	Not Applicable.
6. Dangerous Goods Class:	Not Applicable.
7. Chronic Health Hazards:	NTP/ IARC/ OSHA: Not Listed

3. COMPOSITION ON INGREDIENTS

Name .	Percent (%)	Agency	Exposure Limits	Comments
1. Polypropylene, PP/Polyethylene, PE	45%	N/A	N/A	N/A
2. Oak & Eucalyptus Fiber Flour	53%	N/A	N/A	N/A
3. Stabilizer	2%	N/A	N/A	N/A
4. Ingredients determined to be Non-Hazardous				100%

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4. FIRST AID MEASURES:

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| 1. Eye Contact: | If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice. |
| 2. Skin Contact & Absorption: | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. |
| 3. Ingestion: | May cause choking if swallowed. If uncomfortable, seek medical assistance. |
| 4. Inhalation: | Remove victim from exposure - avoid becoming a casualty. Seek medical advice if effects persist. |

5. FIRE FIGHTING MEASURES:

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| 1. Extinguishing Media: | Water, sand, dry chemical powder, or carbon dioxide. |
| 2. Flash Point (Method Used): | Not Applicable. |
| 3. Flammable Limits: | Not Applicable. |
| 4. Extinguishing Media: | None. |
| 5. Fire fighting further advice: | On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition. |

6. ACCIDENTAL RELEASE MEASURES:

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| 1. Large spills: | Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. |
| 2. Small spills: | Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal. |

7. HANDLING AND STORAGE

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| 1. Handling: | Avoid eye contact and inhalation of dust. |
| 2. Storage: | Keep in a cool, dry environment away from open flame. Install with adequate ventilation. |

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8. EXPOSURE CONTROLS /PERSONAL PROTECTION

1. Personal Protection Equipment: Safety shoes, overalls.
2. National occupational exposure limit: Natural ventilation should be adequate under normal use conditions.
3. Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

1. Density	1.228 g/cm ³	test method by ASTM D792-08
2. Rockwell Hardness	70	test method by ASTM D785-08
3. Flexural Modulus	2590 MPa	test method by ASTM D790-03
4. Compressive Strength (20%)	33.5 Mpa	test method by ASTM D695-08
5. Water Absorption (23°C , 24h)	1.55%	test method by ASTM D570-98 (2005)
6. Tensile Strength	12.3 Mpa	test method by ASTM D638-08
7. Tensile Elongation	0.08%	test method by ASTM D638-08
8. Tensile Modulus	2.8 Gpa	test method by ASTM D638-08
9. Bend Strength	27.2 Mpa	test method by ASTM D790-03
10. Flexural Modulus	2590 MPa	test method by ASTM D790-03
11. Izod impact strength for no notch (23°C)	5.2 (C) J/m	test method by ASTM D256-06a
12. Heat Distortion tempearture (0.455MPa)	94 °C	test method by ASTM D468-07
13. Expansivity after Absorption	W: 0.12 L: 0.02 T:0.23 %	test method by ASTM D570-98 (2005)
14. DIOXIN Report	TEQ 1.06	test method by TM-b of Hong Kong Baptist University
15. The Slip Resistance	R 12	test method by DIN 5113: 2014
16. Toxicity test	PASS	test method by EN71-Part3: 2019 + A1:2021
17. Mechanical and Physical Properties	PASS	test method by EN71-Part1: 2005 + A8: 2009
18. Flammability	PASS	test method by EN71-Part2: 2006 + A1: 2007

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10. STABILITY AND REACTIVITY

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| 1. Chemical stability: | This material is thermally stable if stored & used as directed. |
| 2. Conditions to avoid: | Elevated temperatures and sources of ignition. |
| 3. Incompatible materials: | Oxidising agents. |
| 4. Hazardous decomposition products: | Carbon monoxide, carbon dioxide, nitrogen and smoke. |

11. TOXICOLOGICAL INFORMATION

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| 1. Inhalation: | Inhalation of dust generated when machining may be irritant to mucous membranes and respiratory tract. |
| 2. Skin contact: | Contact with skin may result in irritation. |
| 3. Ingestion: | No adverse effects expected however large amounts may cause nausea and vomiting. |
| 4. Eye contact: | May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes. |

12. ECOLOGICAL INFORMATION

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| 1. Acute aquatic hazard: | This material has been classified as non-hazardous. |
| 2. Long-term aquatic hazard: | This material has been classified as non-hazardous. |
| 3. Ecotoxicity: | No information available. |

13. DISPOSAL CONSIDERATIONS

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| 1. Waste disposal Method: | Recyclable. If disposal of, or discarded in its purchased form, incineration is preferable. Land disposal is acceptable in most states. Follow applicable federal, state, and local regulations. |
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14. TRANSPORT INFORMATION

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| 1. Road and Rail Transport: | Not classified. |
| 2. Marine Transport: | Not classified. |
| 3. Air Transport: | Not classified. |

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15. REGULATORY INFORMATION

1. TSCA, DSL & IARC Monograph: Not listed.

16. OTHER INFORMATION

1. User's Responsibility: The information contained in this SDS comes from sources believed to be accurate or otherwise technically correct, and from occupational health and safety professionals, and/or regulatory agencies. It is the responsibility of the user to determine if this information is suitable for their applications, and to follow safety precautions if necessary. The user is responsible to be sure this is the most up-to-date issue.
2. Safety Data Sheets: Updated frequently. Please ensure you have a current copy.