

ULTIM8[®]

Ultimate Sustainable Solutions

Material Safety Data Sheet

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MCX
GROUP

Material Safety Data Sheet

NON-Hazardous Substance, NON-Dangerous Goods
MSDS-ULTIM8-0001 Effective Date: 1/1/2020

1. MATERIAL AND SUPPLIER INFORMATION

Product Name:

ULTIM8 - Composite Decking

Synonyms:

Wood plastic composite products, natural fibre composite product.

Product Description:

Non-structural engineered extruded wood plastic composite decking. (88mmx23mmx5400mm, reeded profile & 137mmx23mmx5400mm, reeded profile)

Product Recommended Use:

Decking as recommended by MCX Group Pty Ltd

Supplier:

MCX Group Pty Ltd

Address:

Level 2 Riverside Quay, 1 Southbank Blvd, Southbank, Victoria, Australia, 3006

Telephone: +61 3 9982 4456

Email: info@mcxmaterials.com

Website: www.ultim8materials.com

Emergency telephone number:

Phone Australia 131 126, New Zealand 0800 764 766

2. HAZARDS IDENTIFICATION

To the best of our knowledge based on available information, this material is not classified as hazardous according to criteria of NOHSC Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Poisons Schedule (Aust): Not applicable.

Non hazardous ingredients – 100%

3. COMPOSITION AND INGREDIENTS

Polyolefin (High density Polyethylene) 45%
Wood Flour 45%

Other Ingredients: 10%

- anti mould agent
- coupling agent
- anti uv agent
- colour pigment

4. FIRST AID MEASURES AND HEALTH HAZARD INFORMATION

WARNING! Keep away from contact with oxidizing materials. Dust may form an explosive mixture with air, use exhaust ventilation when cutting, sawing or grinding in an enclosed area. Dust may cause irritation to eyes, skin, and upper respiratory tract. When cutting, sanding, or grinding avoid inhalation and wear safety glasses.

Use puncture resistant gloves. Wash thoroughly after handling. If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Vapors are unlikely due to physical properties. Dust is irritating to the nose, throat and lungs. Symptoms may include nasal dryness, deposits or obstructions in the nasal passages, dryness and soreness of the throat and sinuses, hoarseness and wheezing. Some species of wood may cause allergic respiratory reactions with asthma-like symptoms in sensitized individuals. Single exposure to dust is not likely to be hazardous however if dusts are inhaled, remove victim to fresh air. If not breathing, give victim artificial respiration. If symptoms persist, seek medical assistance immediately.

Skin contact or absorption: Essentially non-irritating to skin, however exposure may cause irritation to skin. Rubbing may increase irritation. Some bamboo species and their dust may contain natural toxins, which may cause dermatitis or allergic reactions in sensitized individuals. If skin or hair contact occurs, wash with soap and flowing water or shower for at least ten minutes. If swelling, redness, blistering or irritation occurs seek medical assistance immediately.

Eye contact: Solid or dust may cause irritation or corneal injury due to mechanical action. If dust enters eyes, wash out immediately with water for at least ten minutes. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Ingestion: May cause choking if swallowed. Single dose oral toxicity is believed to be very low. Do not induce vomiting unless instructed by a medical professional.
If uncomfortable, seek medical assistance immediately.

Systemic and Other Effects: No relevant information found.

Note to Physician: Respiratory ailments and pre-existing skin conditions may be aggravated by exposure to dust from machining this product.

Medical Conditions Generally Aggravated by

Exposure to Dust: Pre-existing eye, respiratory system and skin conditions.

Chronic Overexposure: Dusts may be irritating to the eyes, skin and respiratory tract. Prolonged or repeated inhalation of timber dust may cause respiratory irritation, recurrent bronchitis, and prolonged colds. Depending on the species of timber, recurrent exposure may cause allergic skin and respiratory reactions in some individuals. Treat symptomatically.

5. FIRE AND EXPLOSION HAZARD MEASURES

Specific Hazards Classification: Combustible solid.

Flashpoint: 221 degrees Celsius (estimate only)

Lower Flammability Limits: Not applicable.

Upper Flammability Limits: Not applicable.

Hazchem Code: Not applicable.

Auto Ignition: Not determined.

Rate Of Burn: Not determined.

Unusual Fire and Explosion Hazards: ULTIM8

Composite Decking is combustible at high temperatures. Dusts may form explosive mixtures with air in the presence of an ignition source. Prolonged contact with strong oxidizers may cause fire. Combustion by-products are Carbon monoxide and Carbon dioxide.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), foam or alcohol foam, dry agent (carbon dioxide, dry chemical powder).

Fire fighting further advice: On burning may emit dense smoke without sufficient oxygen and emit toxic fumes, including those of oxides of carbon. Fire fighters to wear positive pressure, self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Accumulation of fine dust particles could pose explosion hazard. Remove burned or wet material to open area after fire is extinguished.

6. ACCIDENTAL RELEASE MEASURES

Spills: Wear protective equipment to prevent skin and eye contamination and the inhalation of dust generated when machining.

Collect and seal in properly labeled containers or drums for disposal.

Dangerous Goods – Initial Emergency Response

Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding.

Avoid breathing dusts.

Avoid contact of dusts with skin and eyes.

Do not eat, drink, or smoke when handling this product or in areas where dusts of this product are present.

ULTIM8 Composite Decking is heavier than regular timber decking boards. Lift carefully and always carry on side edge, and use two person lift or mechanical assistance whenever required.

Storage: Store in a cool, flat, dry, well ventilated area away from strong oxidizers, excessive heat, sparks, an open flame or direct sunlight. Support every few feet on a flat surface.

Store away from incompatible materials described in Section 10.

Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts.

8. EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Avoid inhaling dusts generated when machining.

Personal Protection Equipment: Wear standard safety equipment - overalls and safety shoes.

Respiratory: If risk of dust inhalation exists, particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Dust masks may be worn to avoid inhalation of nuisance dust.

Eyes/Face: Wear Safety glasses with side shields when handling, cutting, sanding, or grinding this material. Use a face shield for processes that may generate excessive dusts and splinters.

Skin: Wear puncture resistant work gloves, such as leather when handling.

Ventilation: Cutting, grinding or sanding should be done outdoors or in a well ventilated area.

9. PHYSICAL DATA

Appearance: Solid boards.

Colour: Dark brown, dark grey, light brown, dark red.

Odour: No odour.

Solubility In Water: Insoluble.

Relative Vapour Density (air=1): Not Applicable.

Vapour Pressure (20 °C): Not Applicable.

Vapor Density (20 °C): Not Applicable.

Density: Not Applicable.

Flash Point (°C): > 221 (estimate)

Flammability Limits (g/m³): Not Available.

Auto-ignition Temperature (°C): Not Available.

Melting Range (°C): 120

Boiling Point/Range (°C): Not Applicable.

Freezing Point (°C): Not Applicable.

pH: Not Applicable.

10. STABILITY AND REACTIVITY

Chemical Stability: The product is stable under ambient temperatures and atmospheric pressure.

Conditions To Avoid: Extreme heat. Temperatures of 260 degrees Celsius and above will release combustible gases.

Incompatible Materials: No information available.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide. Combustible gases when exposed to temperatures of 260 degrees Celsius and above. Hazardous Reactions: No information available.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Inhalation of dust generated when machining, may be irritant to mucous membranes and respiratory tract.

Skin contact: Contact of dust generated when machining may result in irritation. Mechanical injury only.

Eye contact: Solid or dust may cause irritation or corneal injury due to mechanical action. Exposure to the dust may cause discomfort due to particulate nature.

Ingestion: May cause choking if swallowed. No adverse effects expected however large amounts may cause nausea and vomiting.

Systemic and other effects: No information available.
Long Term Effects: No information available.

Acute toxicity / Chronic toxicity: No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

Do not burn in open fires, stoves, fireplaces, or residential boilers.

In the unlikely event of a release, wear suitable protective clothing, sweep or vacuum into a clean, dry container, flush area with water.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

MARINE TRANSPORT Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT Not classified as Dangerous Goods by the criteria of the International Air Transport

Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Poisons Schedule (Aust): Not applicable.

16. OTHER INFORMATION

This Material Safety Data Sheet has been prepared and is maintained by MCX International Ltd.

Reason(s) for Issue: Mandatory first issue.

DISCLAIMER

To the best of our knowledge at the date of issue, the information and recommendations contained herein are believed to be accurate. MCX Group Pty Ltd. makes no warranty with respect to and does not assume any liability whatsoever for the accuracy, completeness or reliance of the information contained herein.

Since MCX Group Pty Ltd. cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. 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 these are the only hazards that exist. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact MCX Group Pty Ltd.