

MATERIAL SAFETY DATA SHEET



MSDS No: BRN-01
Approved: Mav 2005

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Master Mark Armadillo Composite Decking and Railing

MANUFACTURER: Master Mark Plastics Inc.
210 Ampe Drive
Paynesville, MN 56362
Ph: 1-800-535-4838
www.mastermark.com

24-HOUR EMERGENCY: Contact Master Mark directly for any inquiries regarding this product.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Note: WOOD DUST IS CONTAINED IN A POLYETHYLENE MATRIX. The matrix contains used thermoplastic and waste wood. Plastic is obtained primarily from post consumer bottles such as milk or detergent bottles. Wood fiber is typically obtained from cabinetmakers and/or waste pallets.

Chemical Name: HDPE Flake (recycled)
CAS No.: n/a
Common Name: High density Polyethylene
Percent in Product: 30-50% of virgin mixture

Chemical Name: Wood Flour
CAS No.: 9004-34-6 (Cellulose)
Common Name: Wood Dust
Percent in Product: 50-65% of virgin mixture
Exposure Limits: 15 mg/m³ – OSHA PEL TWA
5 mg/m³ – ACGIH TLV TWA

Chemical Name: Mixture
CAS No.:
Phenol, 2-(2H-benzotriazol-2-yl)-4, 6-bis(1, 1-dimethylpropyl)- 25973-55-1
Iron Oxide 1309-37-1
Common Name: Lumber Cedar - Color
Percent in Product: 1 – 4% of virgin mixture
Exposure Limits: 5 mg/m³ – ACGIH TLV TWA

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Chemical Name:	Mixture
CAS No.:	
Phenol, 2-(2H-benzotriazol-2-yl)-4, 6-bis(1, 1-dimethylpropyl)-	25973-55-1
Iron Oxide	1309-37-1
Common Name:	Redwood 3 - Color
Percent in Product:	1-4% of virgin mixture
Exposure Limits:	5 mg/m ³ – ACGIH TLV TWA
Chemical Name:	Mixture
CAS No.:	
1, 6-Hexanediamine, N, N'-bis(2, 2, 6, 6-tetramethyl-4-piperidinyl)-, polymer with 2, 4, 6-trichloro-1, 3, 5-triazine, reaction products	70624-18-9
Carbon black	1333-86-4
Rutile, antimony chromium buff	68186-90-3
Titanium dioxide	13463-67-7
Common Name:	10097652 Lumber Grey - Color
Percent in Product:	1-4% of virgin mixture
Exposure Limits:	Carbon Black = 3.5 mg/m ³ – OSHA PEL TWA 3.5 mg/m ³ – ACGIH TLV TWA
	Rutlie, Antimony Chromium Buff = 0.5 mg/m ³ – OSHA PEL TWA 0.5 mg/m ³ – ACGIH TLV TWA
	Titanium Dioxide = 15 mg/m ³ – OSHA PEL TWA 10 mg/m ³ – ACGIH TLV TWA
Chemical Name:	Mixture
CAS No.:	
1, 6-Hexanediamine, N, N'-bis(2, 2, 6, 6-tetramethyl-4-piperidinyl)-, polymer with 2, 4, 6-trichloro-1, 3, 5-triazine, reaction products	70624-18-9
Carbon black	1333-86-4
Titanium dioxide	13463-67-7
Common Name:	10085805 UV Lumber
Percent in Product:	1-4% of virgin mixture
Exposure Limits:	Carbon Black = 3.5 mg/m ³ – OSHA PEL TWA 3.5 mg/m ³ – ACGIH TLV TWA
	Titanium Dioxide = 15 mg/m ³ – OSHA PEL TWA 10 mg/m ³ – ACGIH TLV TWA
Chemical Name:	Struktol 0409 N
CAS No.:	Proprietary Mixture
Common Name:	None
Percent in Product:	0-8% of virgin mixture
Exposure Limits:	15 mg/m ³ – OSHA PEL TWA

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

This product is not considered to be a hazardous substance according to OSHA 29 CFR 1910.1200. This product can create a nuisance dust that may cause eye, skin and respiratory tract irritation.

OVER EXPOSURE

Dust can irritate nose, throat and respiratory tract and may cause mechanical irritation in the eyes. Repeated exposures to certain wood dusts can produce allergic skin and respiratory reactions including asthma and rhinitis. It has been determined there is sufficient evidence to classify wood fiber as a human carcinogen. When wood fiber is incorporated in a polymer matrix, exposure is virtually eliminated.

4. FIRST AID MEASURES

Inhalation: If respiratory irritation, cough, shortness of breath, wheezing or chest tightness occurs after exposure to dust, remove from further exposure, seek immediate medical assistance and call for a physician

Eye Contact: Flush with water. If irritation occurs, call physician.

Skin Contact: Wash areas with soap and water. Launder contaminated clothing.

Ingestion: Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water

Special Fire Fighting Procedures: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Exposure to fire can generate toxic fumes. High dust levels may create potential for explosions.

Hazardous Decomposition Products: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde, Formic Acid, Acetic Acid

6. ACCIDENTAL RELEASE MEASURES

Notification Procedures: None

Procedures if Material is released or spilled: Where dusty conditions are created as a result of cutting or sawing, wet dust down then sweep or vacuum for disposal. Personnel performing cleanup must use protective equipment.

Environmental Precautions: Not expected to be a problem

7. HANDLING AND STORAGE

Handling: Master Mark Armadillo Planks are not intended for load-bearing or heavy structural applications. Please consult Master Mark's company literature for proper usage. Master Mark's Wood-Polymer Lumber is heavier than most traditional lumber products: proper handling is required to prevent damage or injury. Do not burn in fireplace or use as firewood.

Storage: Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material. Store away from direct sources of heat.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respirators: Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely.

Eyes: Safety glasses with side shields, or goggles, should be worn to protect against dust particles.

Skin: No special equipment required. Good personal hygiene practices should always be followed.

Ventilation: Use in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Boiling Point: n/a

Melting Point: not available

Flash Point: 420°C

Odor: Slight Olefinic

Vapor Density (Air =1): n/a

Specific Gravity: not available

% Volatile by Volume: n/a

Vapor Pressure: n/a

Appearance: Colored Plastic Lumber

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10. REACTIVITY

Stability: Stable
Corrosivity: n/a
Incompatibility: n/a
Reactivity: n/a
Reactivity with water: not available
Explosion: n/a

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. WASTE DISPOSAL CONSIDERATIONS

No data available.

14. TRANSPORTATION INFORMATION

Not regulated

15. REGULATORY INFORMATION

Not regulated

16. ADDITIONAL COMMENTS

The above information is accurate to the best of our knowledge. However, Master Mark makes no warranty expressed or implied with respect to this information and disclaims all liability for reliance thereon. The information and recommendations are offered for the user's consideration and examination; it is the user's responsibility to satisfy themselves that they are suitable and complete for a particular use.