

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Guardian Composite Decking & Decades™ by Guardian  
Manufacturer: Guardian Building Products Distribution, Inc.

Manufacturing Facility: 411 Industrial Ct.      Corporate: 979 Batesville Rd.  
Greer, SC 29651      Greer, SC 29651  
(864) 281-3574      (864) 297-6101  
Contact: Kenneth Long

Date MSDS Prepared: May 2007

## SECTION 2 – COMPOSITION AND INGREDIENT INFORMATION

Component	CAS #	Exposure Limits
Wood Fiber (Oak)	9004-34-6	OSHA PEL: 15 mg/m <sup>3</sup> (total dust) OSHA PEL: 5 mg/m <sup>3</sup> (respirable dust) ACGIH TLV-TWA: 10 mg/m <sup>3</sup> (nuisance dust)
Polypropylene	9003-07-0	Not established
Coloring Agents		Not established
Zinc Stearate	557-05-1	OSHA PEL: 15 mg/m <sup>3</sup> (total dust) OSHA PEL: 5 mg/m <sup>3</sup> (respirable fraction) ACGIH TLV: 10 mg/m <sup>3</sup> (total dust)
Diazenedicarboxamide	123-77-3	Not established

## SECTION 3 – HAZARDS IDENTIFICATION

**Emergency Overview:** This product may be cut or used in applications that produce wood fibers. Certain wood fibers are considered hazardous if the airborne concentration exceeds the OSHA or ACGIH exposure limits.

**Potential Health Effects:** Dust can irritate nose, throat, and respiratory tract, and cause eye irritations. Repeated exposure may cause skin irritation. Wood dust is considered a carcinogen.

## SECTION 4 – FIRST AID MEASURES

**Eye Contact:** Flush dust from eyes with water for at least 15 minutes. If irritation occurs, obtain medical attention.

**Skin Contact:** Wash with soap and water.

**Ingestion:** This material is not expected to be a problem when ingested. If large amounts are ingested, give water to drink and get medical advice.

**Inhalation:** Remove person to fresh air.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point:** Not Available

**Autoignition Temperature:** Estimated > 400 °F

**Upper Flammable Limit:** N/A

**Lower Flammable Limit:** N/A

**Extinguishing Media:** Water or appropriate fire extinguisher.

**Explosion Hazard:** High dust levels may create potential for explosion. Keep dust away from ignition sources.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, formic acid, acetic acid, trace amounts of formaldehyde, aldehyde, and other organic vapors.

**NFPA Rating:** Health – 0  
Flammability – 1  
Reactivity – 0

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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Material should be swept up and discarded in accordance with applicable federal, state, and local regulations.

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## SECTION 7 – HANDLING AND STORAGE

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**Handling:** Composite lumber is heavier than normal wood products. Lift carefully to avoid injury. Avoid dust-generating means of clean up.

**Storage:** Store on a flat surface. Store away from ignition sources or combustible materials.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Ventilation:** Use in well ventilated area, especially when dust particles may accumulate.

**Respiratory:** If dust is being generated, use an N-95 NIOSH approved nuisance dust mask respirator for protection in conditions up to ten times the PEL (Permissible Exposure Limit). For exposures over 10 times the PEL, additional protection may be needed. If oil particles are present, use an R or P value NIOSH approved respirator.

**Skin Protection:** If irritation occurs, wear long sleeves and gloves for protection.

**Eye Protection:** Wear safety glasses with side shields when performing operations that may generate dust or potential for flying debris.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** Solid; various colors

**Odor:** Slight wood odor.

**Density:** Approximately 40 – 50 lb/ft<sup>3</sup>

**Vapor Density:** N/A                      **Vapor Pressure:** N/A

**Boiling Point:** N/A                      **pH:** N/A

**Solubility in Water:** Insoluble

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## SECTION 10 – STABILITY AND REACTIVITY

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**Stability:** Stable

**Incompatibility (Materials to Avoid):** Strong oxidizers

**Conditions to Avoid:** Heat and flame

**Hazardous Decomposition Products:** Carbon monoxide, formaldehyde, formic acid, acetic acid, and other products of wood combustion.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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IARC has classified wood dust as a potential carcinogen. Exposure is expected to be minimal with this material due to the fact that the wood fiber is incorporated in a polymer matrix.

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**SECTION 12 – ECOLOGICAL INFORMATION**

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This product has not been tested for environmental effects, but it is not expected to pose an ecological hazard if used as intended.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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Dispose of waste in normal refuse containers according to local, state, and federal requirements.

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**SECTION 14 – TRANSPORT INFORMATION**

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Material not regulated by DOT.

**Shipping Name:** N/A

**Hazard Class:** N/A

**Labeling Requirements:** N/A

**Placards:** N/A

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**SECTION 15 – REGULATORY INFORMATION**

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**Toxic Substances Control Act:** Yes - Zinc Stearate

**CERCLA:** N/A

**SARA 313:** Chemical Category: Zinc compound, approximately 0 – 70 wt. %

This product contains the aforementioned toxic chemical subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CGF 372.

**California Proposition 65:** Labeling required.

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**SECTION 16 – OTHER INFORMATION**

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The information and recommendations provided in this MSDS are, to the best of Guardian Building Products' knowledge, both accurate and reliable as of the date prepared. Guardian Building Products does not warrant or guarantee their accuracy or reliability, and does not accept any liability for any loss, damage, or expense in connection with this information or its use.