

MATERIAL SAFETY DATA SHEET

Page 1 of 4

Polymer Roofing Tiles

May 24, 2010



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polymer Roofing Tiles

Product Description: DaVinci Roofscapes has manufactured award-winning synthetic slate and shake roofing since 1999. The polymer roofing tiles are virtually maintenance free and far more cost effective than the natural product. DaVinci leads the industry in tile thickness, the tile width variety and the greatest selection of subtle earth-toned colors. Company products have a 50-year warranty and are 100 percent recyclable. DaVinci proudly makes its products in America and is a member of the National Association of Home Builders, the Cool Roof Rating Council and the U.S. Green Building Council. For additional information call 1-800-328-4624 or visit.

www.davinciroofscapes.com.

Company Identification: DaVinci Roofscapes, LLC

1413 Osage Avenue
Kansas City, KS 66105
800-328-4624 Toll Free
913-599-0766
913-599-0065 Fax

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Name	CAS#	Percent	ACGIH TLV	OSHA PEL
Polyethylene Homopolymer	9002-88-4	15 – 20%	NE	NE
Copolymer	Proprietary	20 – 25%	NE	NE
Calcium Carbonate	1317-65-3	55 – 60%	10 mg/m ³ Total	15 mg/m ³ Total
Each of the other components present are less than 1 percent concentration or less than 0.1% concentration for potential carcinogens, reproductive toxins, or respiratory tract sensitizers				

NE = Not Established

NOTE: This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200.

"Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."

This product is odorless, stable, and poses no immediate hazard to health. However, respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting, sanding, grinding or if dust is produced by any other operation. These dusts may be harmful if inhaled.

HAZARDS DISCLOSURE: This product does not contain known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product does not contain known hazardous materials.

MATERIAL SAFETY DATA SHEET

Page 2 of 4

Polymer Roofing Tiles

May 24, 2010

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW – Non-hazardous PRODUCT when used as intended.

NFPA Rating: Health - 0, Flammability - 0, Reactivity - 0

NFPA Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).

Potential Health Effects

Inhalation: This product does not represent an inhalation hazard. However, dust produced by cutting, sanding, grinding or if dust is produced by any other operation may irritate respiratory tract.

Ingestion: This product does not represent an ingestion hazard.

Skin Contact: Dust may irritate skin on prolonged or repeated contact.

Eye Contact: Dust produced by cutting, sanding, grinding or if dust is produced by any other operation may irritate eyes.

Chronic Exposure: No Chronic effects known or reported

Aggravation of Pre-existing Conditions: None known.

Carcinogenicity: This product and its components are not listed by the NTP, IARC, or regulated by OSHA as carcinogens.

4. FIRST AID MEASURES

Inhalation: Not expected as a result of exposure to this product. However, if breathing becomes difficult remove individual to fresh air. If breathing difficulty continues seek medical attention.

Ingestion: Not expected as a result of exposure this product.

Skin Contact: Wash skin with water after handling this product.

Eye Contact: Not expected as a result of exposure to this product. If dust from this product enters the eyes, flush with plenty of water. If irritation persists seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (PMCC): Not Applicable

Auto-ignition temperature: >340°C (650°F)

Flammable limits in air % by volume: LEL: NA UEL: NA

Explosion: None

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Pick-up for re-use or recycle.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety procedures.

STORAGE PRECAUTIONS: None Established.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits: General Dust exposure Limits apply

Ventilation System: No special ventilation required.

Personal Respirators (NIOSH Approved): None required.

MATERIAL SAFETY DATA SHEET

Page 3 of 4

Polymer Roofing Tiles

May 24, 2010

Skin Protection: Observe good industrial hygiene practices.

Eye Protection: Use Good safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solid

ODOR: Odorless

SOLUBILITY IN WATER: None

MELTING/FREEZING POINT: N/A

EVAPORATION RATE (BuAc=1): N/A

AUTOIGNITION TEMPERATURE: N/A

% VOLATILES BY VOLUME @ 21°C (70°F): N/A

VOLATILE ORGANIC COMPOUNDS (VOC #/gal): N/A

COLOR: Varies

SPECIFIC GRAVITY: N/A

PH: N/A

BOILING POINT: N/A

VISCOSITY: N/A

VAPOR DENSITY (Air=1): N/A

VAPOR PRESSURE (mm Hg): N/A

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Combustion may generate carbon monoxide, olefinic and paraffinic compounds.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers

Conditions to Avoid: Excessive heat, sparks and flame.

11. TOXICOLOGICAL INFORMATION

Toxicity Data:

No known health effects connected with long term use or contact with these products.

Cancer Lists

Ingredient

All Components

---NTP Carcinogen---

Known

No

Anticipated

No

IARC Category

None

12. ECOLOGICAL INFORMATION

Environmental Fate: No Data Available

Environmental Toxicity: No Data Available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local requirements.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.) International (Water, I.M.O. & Air, I.C.A.O.)

SHIPPING NAME: Non-Regulated Material

PRODUCT LABEL: Polymer Roof Tiles

UN NUMBER: N/A

ADR: N/A

IMO CLASS: N/A

D.O.T. HAZARD CLASS: N/A

PACKING GROUP: N/A

ERG #: N/A

MATERIAL SAFETY DATA SHEET

Page 4 of 4

Polymer Roofing Tiles

May 24, 2010

Max container size for Air Shipments: N/A

15. REGULATORY INFORMATION

Federal, State & International Regulations

	<u>SARA 302</u>		<u>List</u>	<u>-SARA 313-</u> <u>Chemical Catalog</u>	<u>CERCLA</u>	<u>RCRA</u> <u>261.33</u>	<u>TSCA</u> <u>8(d)</u>
Ingredient	<u>RQ</u>	<u>TPQ</u>					
All Components	NO	NO	NO	NO	NO	NO	NO

Chemical Weapons Convention: No **TSCA 12(b):** No **CDTA:** No

SARA 311/312: Acute: No; Chronic: No; Fire: No; Pressure: No; Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated

Poison Schedule: None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: ENCS (Japan), Korea, Australia, China (Draft), PICCS (Philippines), Japan (ENCS).

16. OTHER INFORMATION

Prepared By: Paul Eigbrett; MSDS Authoring Services
Supersedes Date: New

Approval Date: May 24, 2010

This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004).

This information is furnished gratuitously and independent of the sales of the product without warranty, expressed or implied, except that it is accurate to the best knowledge of DaVinci Roofscapes, LLC NO WARRANTY, EITHER EXPRESS OR IMPLIED, WHETHER OF MERCHANTABILITY OF FITNESS OF ANY NATURE OR OTHERWISE WITH RESPECT TO THE PRODUCT OR TO THE DATA HEREIN IS MADE HEREUNDER. The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.