




DRiBOND

A revolutionary polymer modified dry mudset.

Conforms to OSHA HazCom 2012 Standard and CPR

MATERIAL SAFETY DATA SHEET

Section 1 - IDENTIFICATION		
1.1 PRODUCT IDENTIFICATION		
Product Name:	Paver Tech DriBond™	
Product Code:	Not Available	
1.2 RECOMMENDED USE OF CHEMICAL AND RESTICTIONS ON USE		
Use:	Thin-section concrete pavers and natural stone material	
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET		
Name:	Paver Technologies, LLC 4366 N. U.S. Highway 1 Vero Beach, FL 32967 USA	
Telephone Number:	1-888-767-4777 (USA and Canada)	
1.4 EMERGENCY TELEPHONE NUMBER		
Emergency Telephone Number	1-888-767-4777 (USA and Canada) (With hours of operation)	
Section 2 – HAZARD(S) IDENTIFICATION		
2.1 CLASSIFICATION OF CHEMICAL		
Hazard Class		
Skin irritation 2 Serious eye damage 1 Skin sensitization 1 Carcinogenicity 1A Specific target organ toxicity – Single exposure 3 Specific target organ toxicity – Repeated exposure 1		
2.2 LABEL ELEMENTS		
Hazard Pictogram:		
		
Single word:	Danger	
Hazard Statement:	Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.	



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Prevention:	Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust. Do not eat, drink or smoke when using this product.
Response:	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/attention.
Storage:	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
2.3 ADDITIONAL INFORMATION	
Hazards not otherwise classified:	Not applicable.
30% of the mixture consists of ingredient(s) of unknown acute toxicity.	

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS		
3.1 MIXTURES		
Ingredient	CAS No.	Wt. %
Silica, Crystalline Quartz	14808-60-7	40 - 70
Portland Cement	65997-15-1	15 - 40
The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.		

Section 4 – FIRST AID MEASURES	
4.1 DESCRIPTION OF THE FIRST AID MEASURES	
Eye:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.



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Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.
Skin:	Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians:	Symptoms may not appear immediately.
Specific Treatments:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5 – FIRE FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability:	Not flammable by WHMIS/OSHA criteria.
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5.2 EXTINGUISHING MEDIA

Suitable Extinguishing Media:	Treat for surrounding material.
Unsuitable Extinguishing Media:	Not available.

5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

Products of Combustion:	May include but are not limited to: oxides of carbon
Explosion Data:	
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to Static Discharge:	Not available.

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS



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Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6 – ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for Containment:	Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for Cleaning-Up:	Vacuum or sweep up material and place in disposal container.

Section 7 – HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling:	Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. (See section 8)
General Hygiene Advice:	Laundry contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage:	Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilation systems in the storage area. (See section 10)
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Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Exposure Guidelines		
Occupational Exposure Limits		
Ingredient	OSHA-PEL	ACGIH-TLV



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Silica, Crystalline, Quartz	<p align="center">3 ((10mg/m)/(%SiO₂+2) TWA (resp))</p> <p align="center">3 ((30 mg/m)/(%SiO₂+2) TWA (total))</p> <p align="center">((250)/(%SiO₂+5) mppcf TWA (resp))</p>	0.025 mg/m ³
Portland Cement	15 mg/m3 (total); 5 mg/m3 (resp)	1 mg/m3 (no asbestos and <1% crystalline silica, respirable fraction)

8.2 EXPOSURE CONTROLS

Engineering Controls:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
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8.3 INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment	
Eye/Face Protection:	Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.
Skin Protection:	
Hand Protection:	Wear suitable gloves.
Body Protection:	Wear suitable protective clothing.
Respiratory Protection:	A NIOSH approved dust mask or filtering face-piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
General Health and Safety Measures:	Handle according to established industrial hygiene and safety practices.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder
Color:	Not available
Odor:	Not available
Odor Threshold:	Not available
Physical State:	Solid
pH:	Not available
Melting Point/Freezing Point:	Not available
Initial Boiling Point and Boiling Range:	Not available



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Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	Not flammable
Lower Flammability/Explosive Limit:	Not available
Upper Flammability/Explosive Limit:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density/Specific Gravity:	2.7
Solubility:	Partial
Partition Coefficient: n-octanol/water:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available
Oxidizing Properties:	Not available
Explosive Properties:	Not available

Section 10– STABILITY AND REACTIVITY

10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under conditions of normal use.

10.4 CONDITIONS TO AVOID

Heat. Incompatible materials. Moisture.

10.5 INCOMPATIBLE MATERIALS

Acids. Ammonium salts. Aluminum. Alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.



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Section 11 – TOXICOLOGICAL INFORMATION		
11.1 INFORMATION ON TOXICOLOGICAL EFFECTS		
Likely Routes of Exposure:	Skin, contact, skin absorption, eye contact, inhalation, and ingestion.	
Symptoms related to physical/chemical/toxicological characteristics:		
Eye:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.	
Skin:	Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.	
Inhalation:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.	
Ingestion:	May cause respiratory tract irritation.	
Acute Toxicity		
Ingredient	LC50	LD50
Silica, Crystalline, Quartz	Not available.	Not available.
Portland Cement	Not available.	Not available.
Calculated Overall Chemical Acute Toxicity Values		
LC50 (Inhalation)	LD50 (Oral)	LD50 (Dermal)
Not available.	7191.2 mg/kg, rat	Not available.
Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*	
Silica, Crystalline, Quartz	G-A2, I-1, N-1, O, CP65	
Portland Cement	G-A4	
11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE		
Skin Corrosion/Irritation:	Causes skin irritation.	
Serious Eye Damage/Irritation:	Causes serious eye damage.	
Respiratory Sensitization:	Based on available data, the classification criteria are not met.	
Skin Sensitization:	May cause allergic skin reaction.	
STOT-Single Exposure:	May cause respiratory irritation.	
Chronic Health Effects:		
Carcinogenicity:	May cause cancer.	
Germ Cell Mutagenicity:	This product is not classified as a mutagen.	
Reproductive Toxicity:		



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Developmental:	Based on available data, the classification criteria not met.
Teratogenicity:	No hazardous by WHMIS/OSHA criteria.
Embryotoxicity:	No hazardous by WHMIS/OSHA criteria.
Fertility:	Based on available data, the classification criteria not met.
STOT-Repeated Exposure:	Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard:	Based on available data, the classification criteria not met.
Toxicologically Synergistic Materials:	Not available.
Other Information:	Not available.

Section 12 – ECOLOGICAL INFORMATION	
12.1 ECOTOXICITY	
Acute/Chronic Toxicity:	May cause long-term adverse effects in the aquatic environment.
12.2 PERSISTENCE AND DEGRADABILITY	
Not available.	
12.3 BIOACCUMULATIVE POTENTIAL	
Bioaccumulation:	Not available.
12.4 MOBILITY IN SOIL	
Not available.	
12.5 OTHER ADVERSE EFFECTS	
Not available.	

Section 13 – DISPOSAL CONSIDERATIONS	
13.1 WASTE TREATMENT METHODS	
Disposal Method:	This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
Other disposal recommendations:	Not available.

Section 14 – TRANSPORTATION INFORMATION	
14.1 UN NUMBER	
DOT	TDG
Not regulated.	Not regulated.




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14.2 UN PROPER SHIPPING NAME	
DOT	TDG
Not regulated.	Not regulated.
14.3 TRANSPORT HAZARD CLASS (ES)	
DOT	TDG
Not regulated.	Not regulated.
14.4 PACKING GROUP	
DOT	TDG
Not regulated.	Not regulated.
14.5 ENVIRONMENTAL HAZARDS	
Not available.	
14.6 TRANSPORTATION IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	
Not available.	
14.7 SPECIAL PRECAUTIONS FOR USER	
Do not handle until all safety precautions have been read and understood.	

Section 15 – REGULATORY INFORMATION				
15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL				
Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.				
USA: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012				
SARA TITLE III				
Ingredient	Section 302 (EHS) TQP (Lbs.)	Section 304 EHS RQ (Lbs.)	CERCLA RQ (Lbs.)	Section 313
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Portland Cement	Not listed.	Not listed.	Not listed.	Not listed.
STATE REGULATIONS				
California Proposition 65:				
This product contains a chemical known to the State of California to cause cancer.				
Global Inventories				



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Ingredient	USA TSCA	Canada DSL/NDSL
Silica, crystalline, quartz	Yes.	DSL
Portland Cement	Yes.	DSL
NFPA National Fire Protection Association		
Health:		3
Fire:		0
Reactivity:		0
HMIS – Hazardous Materials Identification System		
Health:		3
Fire:		0
Reactivity:		0
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme		
WHMIS Classification(s):		
Class D2A – Carcinogenicity		
Class D2A – Chronic Toxic Effects		
Class D2B – Skin/Eye Irritant		
WHMIS Hazard Symbols:		
		
SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:		
CP65	California Proposition 65	
OSHA (O)	Occupational Safety and Health Administration	
ACGIH (G)	American Conference of Governmental Industrial Hygienists A1 – Confirmed human carcinogen A2 – Suspected human carcinogen A3 – Animal carcinogen A4 – Not classifiable as a human carcinogen A5 – Not suspected as a human carcinogen	



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IARC (I)	International Agency for Research on Cancer 1 – The agent (mixture) is carcinogenic to humans 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals. 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
NTP (N)	National Toxicological Program 1 – Known to be carcinogens. 2 – Reasonably anticipated to be carcinogens.

Section 16 – OTHER INFORMATION	
Date of Preparation:	August 13, 2016
Expiry Date:	August 12, 2020
Version:	1.0
Revision Date:	N/A

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