



SAFETY DATA SHEET: Bison 2CM Pavers

Bison Innovative Products	Toll Free: 800-333-4234	Hours Mon-Fri 8am-5pm MST
701 Osage Street, Unit 120	Phone: 303-892-0400	info@bisonip.com
Denver, CO 80204	Fax: 303-825-5988	www.bisonip.com

Section 1: Product Information

Product Name:	Bison 2CM Paver/PT-24-BISON
Description:	2CM Paver – Bison 23.54"L x 23.54"W x 0.79"H (598 x 598 x 20mm)

Section 2: Hazard(s) Identification

There is no proof or indication that the whole, finished product (definable as an "article" pursuant to Regulation EC 1907/2006, Article 3 (3) has any risks according to directives 67/548/EC, amendments thereto and Regulation EC No1272/2008 (CLP)): In the case of the breakage of the article or its processing involving crushing, breakage, cutting, sanding or any other process which could lead to the release of dusts traceable to the matrix of the article, it may generate crystalline silica powder. The breathable fraction of crystalline silica, particularly during prolonged exposures and/or exposures to high concentrations, may lead to lung damage or illnesses, such as silicosis. The hazard assessment refers to this specific case.	
Crystalline Silica	< 25% Criteria of Directives 67/548/EC, 99/45/EC:
Regulation EC 1272/2008 (CLP) 	Hazard, STOT RE 1, Causes damage to organs through prolonged or repeated exposure. Harmful physical-chemical effects on human health and the environment: The whole, finished product does not require labelling as hazardous, in compliance with Regulation 1907/2006, Directives 67/548/EC, 99/45/EC, amendments thereto and Regulation EC No 1272/2008 (CLP).
Hazard Statements	H372 – Causes damage to organs through prolonged or repeated exposure (Inhalation).
Precautionary Statements 	P260 – Do not breathe dust. P264 – Wash thoroughly after use. P270 – Do not eat, drink, or smoke when using this product. P280 – Wear protective gloves, clothing, and eye protection. P284 – Wear respiratory protection (P3). P314 – Get medical advice/attention if you feel unwell. P501 – Dispose of contents/container in conformity with the regulations in force.
Contains	Quartz

Section 3: Composition/Information on Ingredients

Chemical Name	CAS#	Concentration %	OSHA PEL	NIOSH IDLH	ACGIH TLV
Crystalline Silica as Quartz	14808-60-7	10-25%	10/%SiO ₂ +2 mg/m ³ 30/%SiO ₂ +2 mg/m ³	25mg/m ³ -	0.1mg/m ³ -

SAFETY DATA SHEET: Bison 2CM Pavers

Section 4: First Aid Measures

There is no proof or indication that the whole, finished product (definable as an "article" pursuant to Regulation EC 1907/2006, Article 3 (3) has any risks according to directives 67/548/EC, amendments thereto and Regulation EC No1272/2008 (CLP)):	
Skin Contact	Wash with plenty of water and soap.
Eye Contact	Rinse immediately with plenty of water and seek medical advice.
Swallowed	Do not induce vomiting. Seek medical advice immediately.
Inhaled	Remove to fresh air and keep at rest. Depending on processing type, prolonged exposures and/or exposures to high concentrations of the breathable fraction of crystalline silica may lead to lung damage or illnesses such as silicosis. Symptoms of silicosis include coughing and dyspnea. Occupational exposure to breathable crystalline silica dust must be monitored and controlled.

Section 5: Fire Fighting Measures

Extinguishing Media	Water, Carbon Dioxide (CO ₂), Powder, Foam.
Special Substance Mixture Hazards	No risks.
Special Fire Fighting Procedures	Use appropriate respiratory equipment. Collect contaminated water used to extinguish the fire separately. Do not discharge into the sewers. Move undamaged material outside of danger.

Section 6: Accidental Release Measures

Prevent the release of the material into surface waters or sewers.	
Suitable Collection	Manually or mechanically.
Methods and Material for Containment and Cleaning Up	Remove the substance and any debris.

Section 7: Handling and Storage

Handling	Avoid contact with skin and eyes, avoid dust inhalation. Do not use empty containers before they have been cleaned if they contain debris or residues or dusts generated by the material. Before transfer operation, ensure that there is no broken or crushed material. Work clothing or clothing contaminated with crushed material or dust must be replaced before entering dining areas and after leaving the working areas. Do not wear contact lenses or eat or drink during processing or when handling crushed material and dusts.
Storage	With reference to material subject to breakage, crushing or in any case when generating dusts, keep away from food, drink, and animal feedings. Store carefully to avoid material breakages. Store in suitably ventilated storage rooms. Prevent the formation of dusts originating from the material.

SAFETY DATA SHEET: Bison 2CM Pavers

Section 8: Exposure Control and Personal Protection

Respiratory Protection	Respiratory protection approved by NIOSH/MSHA for protection against airborne particulates when cutting or machining.
Eye Protection	Wear safety glasses with side shields, goggles, or face shield when cutting or machining. Contact lenses may absorb irritants, avoid wearing contacts in work area.
Ventilation	When cutting or machining tiles, make sure that particulates are allowed to ventilate.
Other	Wear cotton or leather gloves when cutting the tile. Wash hands thoroughly after handling and before eating, drinking, or smoking. Do not eat, drink, or smoke in the work area. Maintain a clean jobsite.

Section 9: Physical and Chemical Properties

Physical State	Brittle Solid
Odor	Odorless
Specific Gravity	2.3-2.7 g/cm ³
Melting Point	Greater than 2,200°F
Solubility in Water at 23°C	Insoluble
Flammability	Non-Flammable

Section 10: Stability and Reactivity

Stability	Stable in current form.
Avoid	Surface temperatures above 150°C (302°F), impacts which could cause the material to break.
Hazardous Decomposition	Not expected to occur.

Section 11: Toxicological Information

There is no proof or indication that the whole, finished product (definable as an "article" pursuant to Regulation EC 1907/2006, Article 3 (3) has any risks according to directives 67/548/EC, amendments thereto and Regulation EC No1272/2008 (CLP)): In the case of the breakage of the article or its processing involving crushing, breakage, cutting, sanding or any other process which could lead to the release of dusts traceable to the matrix of the article, it may generate crystalline silica powder. The breathable fraction of crystalline silica, particularly during prolonged exposures and/or exposures to high concentrations, may lead to lung damage or illnesses, such as silicosis. The hazard assessment refers to this specific case.

Section 12: Disposal Considerations

SAFETY DATA SHEET: Bison 2CM Pavers

Recycle if possible. Disposal of this product in accordance with Federal, State, and local laws. Crushed material must be collected using methods that avoid dust propagation.

Section 13: Transport Information

Not regulated as hazardous material or dangerous good for transportation. Non-hazardous Class III regulated material. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Proper Shipping Name:	Bison Innovative Products – 2CM Paver – Model: PT-24-BISON
-----------------------	--

Section 14: Regulatory Information

International Regulation				
Italian Legislative Decree	D.Lgs. No 52 of 3/2/1997 (Classification, packaging and labelling of hazardous substances). D.Lgs. No 65 of 14/3/2003 (Classification, packaging and labelling of hazardous preparations). D.Lgs. No 81 of 09/4/2008. DLgs. No 153 of 3/4/2006: Where applicable.			
Ministerial Decree	D.M Labor Law 26/02/2007 (Occupational exposure limits). D.M. 03/04/2007 (Implementation of Directive 2006/8/EC).			
Regulation (EC)	No 1907/2006 (REACH) Annex XVII: No restrictions. No 1272/2008 (CLP) and ATP in force. No 453/2010 (Annex I).			
US Regulation				
TSCA	Listed in the inventory of chemicals in Commerce and is subject to all applicable provisions and restrictions under TSCA 40 CFR Section 721 and 723.250.			
SARA 313	Tile contains <1% by weight of each of the following: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Copper, Manganese, Mercury, Nickel, Lead, Silver, Thallium, Tin, Titanium, Vanadium, and Zinc.			
Occupational Safety and Health Hazard Communication Standard	(29 CFR Section 1910.1200): Health Hazard.			
Hazard Material Information Systems (USA) Health	Health – 0	Flammability – 1	Physical Hazard – 0	Instability – 0
State Regulation				

SAFETY DATA SHEET: Bison 2CM Pavers

California	(Proposition 65): Safe Drinking Water and Toxic Enforcement Act of 1986.
Paver	⚠ WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .
Note	Exposures are due to dusts formed by cutting or removing tile surface in such a way that generates dust.

Section 14: Other Information

Disclaimer: The data in this Safety Data Sheet applies only to the specific product designated herein and does not relate to use in combination with any other material or process. The data given here is based on current knowledge and experience. The purpose of this SDS is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customer and the protection of the environment. The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. United Construction Products, dba Bison Innovative Products and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. United Construction Products, dba Bison Innovative Products and its subsidiaries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.