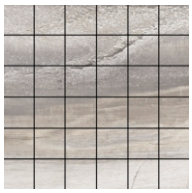
Legacy Tile
Flooring Distributors

Office
1450 N. Wood Dale
Wood Dale, IL 60191

630.594.4795

Series: Cascade Ink Jet Pressed Porcelain Tile

STOCK



MTG12MO145
Niagara Crush

MTG12MO146
River Rush

MTG12MO147
White Water

3" x 24" Coordinating Bullnose

MGT1224145
Niagara Crush

MGT1224146
River Rush

MGT1224147
White Water

MTG324BT145 Niagara Crush
MTG324BT146 River Rush
MTG324BT147 White Water

Specifications		
Ink Jet Pressed Porcelain Tile - 3 Colors		
Shade V-3	—	—
PEI - 4 Hardness	—	—
12" x 24" Ink Jet Pressed Porcelain	2" x 2" Coordinating Mosaic	Coordinating 3" x 24" bullnose
12" x 24" S/F Carton - 15.751	2" x 2" S/F Carton - 4.896 mosaic	3" x 24" S/F Carton - 7.793 bullnose
12" x 24" Pieces per carton - 8	2" x 2" Pieces per carton - 5	3" x 24" Piece 16 per carton
12" x 24" SF/PLT - 504.032 S/F	2" x 2" SF/PLT - 293.76 S/F	3" x 24" SF/PLT - 311.72 S/F
12" x 24" CTNS/PLT 32	2" x 2" CTNS/PLT 60	3" x 24" CTNS/PLT 40
12" x 24" Weight/CTN 59.066 lbs	2" x 2" Weight/CTN 19.35 lbs	3" x 24" Weight/CTN 28.8 lbs

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Ink Jet Pressed Porcelain Tile

Size/Thickness:
12” x 24” x 5/16” (8 mm) nominal

Colors:
Niagara Crash, River Rush, White Water

TECHNICAL INFORMATION

AVG. RESULTS

VISIBLE ABRASION RESISTANCE	MOHS	Dynamic.52 (BOT3000) D.C.O.F.	0.40% WATERABS	CLASS CHEMICAL RESISTANCE	448l bf BREAKING STRENGTH

For level interior spaces to be walked upon when wet (see ANSI A137.1 section 6.2.2.1.10 – Section 9.6 for test procedure).

Guide specifications, literature, SDS, tile samples, details and instal lation procedures are all available for your use . Please contact your representative for merchandising.

GREEN SQUARED
Certified by UL Environment

MADE IN USA

MODERATE VARIATION

Niagrara Crush

River Rush

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SECTION I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Cascade
CHEMICAL FAMILY: None
PRODUCT USE DESCRIPTION: CeramicTile

SECTION II. HAZARDS IDENTIFICATION

GHS CLASSIFICATION
Respirable crystalline silica may be present in the dust from this product at levels exceeded 0.1%. If silica levels above 0.1% are detected, additional measures to reduce the generation of dust and/or respirator protective measures should be taken.

GHS Label Elements
Hazard pictograms:

Signal word: Warning

Hazard statements:
H315: Causes skin irritation
H320: Causes eye irritation
H335: May cause respiratory irritation
H350: May cause cancer
H372: Causes damage to organs through prolonged or repeated exposure

Precautionary statements:
General:
P102: Keep out of reach of children.
P103: Read label before use.
Prevention:
P260: Do not breathe dust.
P285: In case of inadequate ventilation wear respiratory protection.
Response:
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.

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SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: None
Hazardous Components:

Weight Percent	Components	CAS No.
0.27%	Silica crystalline - cristobalite	14464-46-1
2.5-10.0%	Silica crystalline - quartz	14808-60-7
0.6 – 1.0%	Silica crystalline - tridymite	15468-32-3

SECTION IV FIRST AID MEASURES

Most Important Symptom(s)/Effect(s) :

Acute: May cause eye irritation with redness and tearing. Difficult breathing may occur. This product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled.
Delayed: May cause eye irritation with redness and tearing. Difficult breathing may occur. Inhalation of silica can cause a chronic lung disorder, silicosis or cancer.

Eye Contact: In case of contact, flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Then remove contact lenses, if easily removable, and continue eye irrigation for not less than 15 minutes. Get medical attention.

Skin Contact : Take off contaminated clothing and shoes. Wash off with soap and water. Use lukewarm water if possible. Wash contaminated clothing before re -use.

Inhalation : Move to an area free from further exposure. If necessary, get medical attention immediately.

Ingestion : Wash mouth out with water. Do not induce vomiting. If necessary, get medical attention.

Notes to Physician: In case if significant ingestion and/or inhalation a specialist doctor should be seen.

SECTION V. FIREFIGHTING MEASURES

Suitable Extinguishing Media: The product is not combustible.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions : None

Methods and material for containment and cleaning up : Broken tile will produce sharp edges. Use appropriate hand protection when handling tile. Eye protection should be worn while cutting tiles.

Use wet cutting methods where possible. Avoid generating dust. Wear appropriate respiratory protection.

SECTION VII. HANDLING STORAGE

Handling/Storage Precautions: Minimize dust generation and accumulation. Fragile. Do not drop.

Storage Period: Not applicable

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SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ingredient Name	CAS#	OSHA Exposure Limit	ACGIH Exposure Limit
Silica crystalline -cristobalite (respirable)	14464-46-1	0.050 mg/m ^{3} (PEL) 0.025 mg/m ^{3} (AL) **Note:** OSHA limits are for the combined amounts of respirable materials of all three forms of crystalline silica	0.025 mg/m ^{3} (TLV) **Note:** ACGIH limits are for combined amounts of respirable materials of all three forms of crystalline silica.
Silica, crystalline - quartz (Respirable)	14808-60-7		
Silica, crystalline - tridymite (Respirable)	15468-32-3		

AL = Action Level (Regulatory limit for mandated actions set by OSHA)
mg/m ^{3} = milligrams per cubic meter . 1.0 mg = 1,000 micrograms (µ)
TLV = Threshold Limit Value (Recommended by the American Council of Governmental Industrial Hygienists)
PEL = Permissible Exposure Limit (Regulatory 8 hour exposure limit set by OSHA)

Ventilation Requirements: If cutting tile, use wet methods and/or local exhaust ventilation to reduce dust in the workplace.

Respiratory Protection: In case of lack or suitable dust extraction, a NIOSH/MSHA approved respiratory protection equipment is recommended.

Hand Protection: Use Proper gloves (e.g., Cut Resistant Gloves) when cutting/installing .

Eye Protection: Wear safety glasses with side shield when cutting/installing.

Skin Protection: Wear protective clothing

Medical Surveillance: Persons wo are exposed to dusts which contains more than 0.025 mg/m ^{3} of respirable crystalline silica averaged over an eight-h our day, for 30 or more days per year, should receive medical surveillance in accordance with 29 CFR 1910.1053.

Engineering Controls : Wet cutting methods if cutting with masonry saw or grinding. Local exhaust or room ventilation is required when cutting and installing. Avoid use of compressedair for housekeepingpurposes.

SECTION VIIII. PHYSICAL AND CHEMICAL PROPERTIES

State of Matter: Solid
Color: Grey, Note: Color can vary.
Odor: No Data Available
Odor Threshold: No Data Available
pH: N/A
Freezing Point: N/A
Boiling Point: N /A
Flash Point: N/A
Evaporation Rate: N/A
Lower explosion limit: N /A
Upper Explosion Limit: N/ A
Vapor Pressure: N/A
Vapor Density: N/A
Density: No data available
Relative Vapor Density: N/A
Specific Gravity: No Data Availabl e
Solubil ity in Water: Not soluble
Partition Coefficient: N/ A
Auto-i gnition Temperature: N/ A Decomposition Temperature: No Data Availa ble Dynamic Viscosity: No Data Availabl e Kinematic Viscosity: No Data Available Molecular Weight: No Data Available

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SECTION X. STABILITY AND REACTIVITY

Stability : Stable under normal use conditions.

Hazardous Reactions : The product does not react under normal working conditions.

SECTION XI. TOXICITY INFORMATION

Likely Routes of Exposure: Inhalation, Ingestion, Skin Contact, Eye Contact

Health Effects and Symptoms for Silica

Acute: Acute silicosis can occur within a few weeks to months after inhalation exposure to extremely high levels of respirable crystalline silica. Acute silicosis causes decreased lung function and can result in heart disease secondary to the lung disease: heart failure and cor pumonale. Death from acute silicosis can occur within months to a few years of disease onset, and persons with acute silicosis are at high risk of contracting other lung diseases including tuberculosis, atypical mycobacterial infections, and fungal superinfections. Quantitative information on the level of exposure that causes acute silicosis is not available, but available information indicates those levels are far in excess of permissible exposure limits. Animal studies also suggest that pulmonary reactions of rats to short -duration exposure to freshly fractured silica mimic those seen in acute silicosis in humans.

Accelerated silicosis results from exposure to high levels of airborne respirable crystalline silica, and usually occurs within 2 to 10 years of initial exposure. Accelerated silicosis causes decreased lung function and can result in heart disease secondary to the lung disease. Accelerated silicosis has a rapid, severe course and persons with this condition are at high risk of contracting other lung diseases including tuberculosis, atypical mycobacterial infections, fungal superinfections, and lung cancer. Quantitative information on the level of exposure that causes accelerated silicosis is not available, but available information indicates those levels are substantially in excess of permissible exposure limits.

Chronic: Chronic silicosis generally occurs after 10 years or more of inhalation exposure to respirable crystalline silica at levels below those associated with acute and accelerated silicosis. Chronic silicosis in most cases is a slowly progressive disease resulting in decreased lung function and can result in heart disease secondary to the lung disease. Its effects are disabling and may lead to death. Persons with chronic silicosis are at high risk of contracting other lung diseases including tuberculosi s, atypical mycobacterial infections, fungal superinfections, and lung cancer. On September 12, 2013, OSHA published a preliminary quantitative risk assessment concluding that the available evidence indicates that employees exposed to respirable crystallin e silica well below the current PELs are at increased risk of lung cancer mortality and silicosis.

Chronic obstructive pulmonary disease, COPD, including chronic bronchitis and emphysema, occurs in silica - exposed workers, including those who do not develop silicosis. Respirable crystalline silica exposure and smoking may be synergistic for COPD, that is, there is evidence that the combined effect of exposure to respirable crystalline silica and smoking may be greater than additive.

Respirable crystalline silica is recognized by OSHA, NTP and IARC as a cause of lung cancer. Respirable crystalline silica is an independent risk factor from smoking for lung cancer. Respirable crystalline silica exposure and smoking may be synergistic fo r lung cancer, that is, there is some evidence that the combined effect of exposure to respirable crystalline silica and smoking may be greater than additive. There is substantial evidence suggesting an association between exposure to inhaled respirable cr ystalline silica and increased risks of renal (kidney) and systemic autoimmune disease (scleroderma, rheumatoid arthritis, and systemic lupus erythematosus).

Toxicity data: Crystalline silica is not acutely toxic. Reliable numerical measures of chronic toxicity do not exist. Silica LD50 oral rate>22,500 mg/kg.

SECTION XII. ECOLOGICAL INFORMATION

No data available to allow the evaluation of the environmental effect of this material. As far as possible, the dispersion of this material into the environment should be avoided.

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SECTION XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental control laws. Incineration is the preferred method.

Empty Container Precautions : Waste disposal should be in accordance with existing federal, state and local environmental control laws.

SECTION XIV. TRANSPORTATION INFORMATION

Not hazardous for the purposes of transportation.

SECTION XV. FEDERAL REGULATORY INFORMATION

The law in force in the county of the end -use is to be followed.

Toxic Substances Control Act (TSCA) status : Crystalline silica (quartz) is listed on the EPA TSCA inventory under the CAS No 14808-60-7.

Resource Conservation and Recovery Act (RCRA) status: Disposed product is not a hazardous waste under RCRA.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) status : No CERCLA Reportable Quantity has been established for any ingredient in this product.

Emergency Planning and Community Right to Know Act (SARA Title III) status : Not an Extremely Hazardous Substance under §302. Not a Toxic and Chemical under §313. Hazard Categories under §§311/312: Acute.

Clean Air Act status : This product is not processed with nor does it contain any Class I or Class II ozone depleting substances.

California Proposition 65 status : Crystalline silica (airborne particles of respirable size) is classified as a substance known to the State of California to be a carcinogen.

Massachusetts Toxic Use Reduction Act status : Silica, crystalline (respirable size, <10 microns) is “toxic” for purposes of the Massachusetts Toxic Use Reduction Act.

Pennsylvania Worker and Community Right to Know Act status Quartz is a hazardous substance, but it is not a special hazardous substance or an environmental hazardous substance under the Pennsylvania Worker and Community Right to Know Act.

SECTION XVI. OTHER INFORMATION

REASON FOR ISSUE	Revision to incorporate data from product analysis
PREPARED BY	C. Caudill (EnSafe, Inc.)
APPROVED BY	Wm. Smith, StonePeak Ceramics – Crossville, TN
REVISION DATE	February 2024
SUPERSEDES DATE	None

Information provided in this SDS is applicable to all finished Porcelain Tile produced at the factory This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our knowledge . The data on this sheet relates only to the specific material designated herein. All information contained herein was derived from the SDSs supplied by the original manufacturer of the components listed on this document. Factory assumes no legal responsibility for use or reliance upon thisdata.