SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Name:	**Crushed Granite - Principio Quarry**
Generic ID:	Granite, aggregate
Usage and Restrictions:	Cursched granite may be used in the manufacture of concrete blocks and bricks, mortar, cement, concrete, paving materials, and other construction materials. Granite aggregate may be distributed in bags, totes, and bulk shipments. No known recommended restrictions.
Supplier Details:	York Building Products 950 Smile Way York, PA 17404
Emergency Phone #:	717.848.2831

Section 2: HAZARD(S) IDENTIFICATION

GHS Classification:

Carcinogenicity:	1A
Eye Irritation:	1
Repeated Exposure Skin Irritation:	1C
Specific Target Organ Toxicity:	2

GHS Label Elements:



Signal Word: Danger

Hazard Statements: Causes skin irritation. Causes serious eye irritation.
May cause an allergic skin reaction. Respirable dust may contain crystalline silica, known to cause cancer.
May cause respiratory irritation. Causes damage to lungs through prolonged or repeated exposure.

Prevention: Wash hands thoroughly after handling. 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.

Response: If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do.

Storage: Restrict or control access to stockpile areas. Engulfment hazard: To prevent burial or suffocation, do not enter a confined space, such as a silo, bulk truck or other storage container or vessel that stores or contains aggregates without an effective procedure for assuring safety.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not Otherwise Classified: None known.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
Granite	None	>99%
Quartz (Crystalline Silica)	14808-60-7	<1.0

Any concentration shown as a range is to protect confidentiality or is due to process variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. These materials are mined from the earth. Trace amounts of naturally occurring elements might be detected during chemical analysis of these materials.

Occupational exposure limits, if available, are listed in Section 8.

Section 4: FIRST AID MEASURES

Description of Necessary First Aid Measures:

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart. Remove contacts if present and easy to do. Beyond flushing, do not attempt to remove material from the eye(s). Get medical attention if irritation develops or persists.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Most Important Symptoms & Effects, Both Acute and Delayed:

Inhaling dust may cause discomfort in the chest, shortness of breath, and coughing. Prolonged inhalation may cause chronic health effects. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica liberated from this product can cause silicosis, and may cause cancer.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:

Eye Contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Inhalation: Dust may cause respiratory tract irritation.

Skin Contact: Causes skin irritation. Wear gloves when handling product to avoid drying and mechanical abrasion of the skin. May cause sensitization by skin contact.

Ingestion: Not a normal route of exposure. May result in obstruction and temporary irritation of the digestive tract.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media:	Treat for surrounding material.
Unsuitable Extinguishing Media:	Not available.
Special Protective Equipment For Fire-Fighters:	Use protective equipment appropriate for surrounding materials. No specific precautions.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate protective equipment and clothing during clean-up of materials that contain or may release dust.

Methods and Materials For Containment and Cleaning-Up

Spilled material, where dust is generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary. Avoid discharge of fine particulate matter into drains.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Handling:	Avoid contact with skin and eyes. Good housekeeping is key to prevent accumulation of dust. Avoid generating and breathing dust. Use wet methods, if appropriate, to reduce the generation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Handle with care. When using do not eat or drink. (See section 8)
General Hygiene Advice:	Launder contaminated clothing before reuse. Wash hands before eating or drinking.
Conditions For Safe Storage, Including Any Incompatibilities:	Avoid dust buildup by frequent cleaning and suitable construction of the storage area.

Section 8: EXPOSURE CONTROLS AND PERSONAL MEASURES

Control Parameters

Occupational exposure limits:
1 – Value equivalent to OSHA formulas (29 CFR 1910.1000; 29 CFR 1917; 29 CFR 1918)
2 – Value also applies to MSHA metal/Non-Metal (1973 TLVs at 30 CFR 56/57.5001)
3 – OSHA enforces 0.250 mg/m³ in construction and shipyards (CPL-03-00-007)
4 – Value also applies to OSHA construction (29 CRF 1926.55 Appendix A) and shipyards (29 CFR 1915.1000 Table Z)
5 – MSHA limit = 10 mg/m³

Ingredient	Exposure Limits
Particulates not otherwise classified (CAS SEQ250)	ACGIH TLV (United States, 3/2012) TWA: 3 mg/m³. Form: Respirable particles (2) TWA: 10 mg/m³. Form: Inhalable particles (2) OSHA PEL (United States, 6/2010) PEL: 5 mg/m³. Form: Respirable fraction PEL: 15 mg/m³. Form: Total dust (4) TWA: 5 mg/m³. Form: Respirable fraction (1) TWA: 15 mg/m³. Form: Total dust (1, 4, 5)
Crystalline Silica (Quartz) (CAS 14808-60-7)	OSHA PEL (United States, 6/2010) TWA: 0.3 mg/m³ . Form: Total dust (1,2) TWA: 0.1 mg/m³. Form: Respirable (1,2,3)
Crystalline Silica (all forms; CAS mixture)	ACGIH TLV (United States, 3/2012) TWA: 0.025 mg/m³. Form: Respirable fraction NIOSH REL (United States, 6/2009) TWA: 0.05 mg/m³. Form: Respirable dust

Engineering Controls: When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

Exposure Guidelines: OSHA PELs, MSHA PELs, and ACGIH TLVs are 8-hr TWA values. NIOSH RELs are for TWA exposures up to 10-hr/day and 40-hr/wk. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

Individual Protection Measures:

Hygiene Measures: Observe good hygiene, such as washing after handling the material and before eating and drinking. Routinely wash work clothing and protective equipment.

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Hand/Body Protection: Use personal protective equipment as required.

Hand/Body Protection: When performing work that produces dust or respirable crystalline silica in excess of applicable exposure limits, wear a NIOSH-approved respirator that is properly fitted and is in good condition. Respirators must be used in accordance with all applicable workplace regulations.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Appearance:	Mixture of granular and angular solid particles.
Color:	Not applicable.
Odor:	Odorless.
Odor Threshold:	Not applicable.
Physical State:	Solid.
pH:	Not applicable.
Melting/Freezing Point:	Not applicable.
Boiling Point:	Not applicable.
Flash Point:	Not applicable.
Evaporation Rate:	Not applicable.
Flammability:	Not flammable.
Lower Flammability/Explosive Limit:	Not applicable.
Upper Flammability/Explosive Limit:	Not applicable.
Vapor Pressure:	Not applicable.
Vapor Density:	Not applicable.
Relative Density/Specific Gravity:	Not applicable.
Solubility:	Insoluble.
Partition coefficient: n-octanol/water:	Not applicable.
Auto-ignition Temperature:	Not applicable.
Decomposition Temperature:	Not applicable.
Viscosity:	Not applicable.
SADT:	Not applicable.
Oxidizing Properties:	Not applicable.
Explosive Properties:	Not applicable.

Section 10: STABILITY AND REACTIVITY

Reactivity:	Product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Hazardous Reaction Possibility:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid contact with strong oxidizing agents.
Incompatible materials:	Crystalline silica may react violently with strong oxidizing agents, causing fire and explosions.
Hazardous decomposition:	Silica dissolves in hydrofluoric acid producing a corrosive gas-silicon tetrafluoride.

Section 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects:

Acute Toxicity:	Not expected to be acutely toxic.
Irritation/Corrosion:	Skin: Dust: May cause irritation through mechanical abrasion. This product is not expected to be a skin hazard. Eyes: Direct contact with eyes may cause temporary irritation through mechanical abrasion. Inhalation: Repeated inhalation of respirable crystalline silica (quartz) may cause silicosis, a fibrosis (scarring) of the lungs. Silicosis is irreversible and may be fatal. Silicosis increases the risk of contracting pulmonary tuberculosis. Some studies suggest that repeated inhalation of respirable crystalline silica may cause adverse health effects including lung and kidney cancer. Ingestion: Not likely due to product form. However accidental ingestion may cause discomfort.
Sensitization:	Respiratory sensitization: No respiratory sensitizing effects known. Skin sensitization: Not known to be a dermal irritant or sensitizer.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Aspiration Hazard:	Not expected to be an aspiration hazard.
Reproductive Toxicity:	Not expected to be a reproductive hazard.
Symptoms related to physical, chemical, toxicological characteristics:	Dust: discomfort in the chest. Shortness of breath. Coughing.
Carcinogenicity:	Respirable crystalline silica has been classified by IARC and NTP as a known human carcinogen, and classified by ACGIH as a suspected human carcinogen.

Ingredient(s)	OSHA	IARC	ACGIH	NTP
Crystalline Silica (Quartz) CAS 14808-60-7)	Not Listed	1 Carcinogenic to humans	A2	Known to be a human Carcinogen

Specific Target Organ Toxicity (Acute Exposure):

Ingredient(s)	Route of Exposure	Target Organs
Crystalline Silica (Quartz) CAS 14808-60-7)	Inhalation	Not reported to have effects.

Specific Target Organ Toxicity (Chronic Exposure):

Ingredient(s)	Route of Exposure	Target Organs
Crystalline Silica (Quartz) CAS 14808-60-7)	Inhalation	May cause damage to organs (lung through prolonged or repeated exposure.

Potential chronic health effects: General: Prolonged inhalation of respirable crystalline silica may be harmful. May cause damage to organs (lungs) through prolonged or repeated exposure. There are reports in the literature suggesting that excessive crystalline silica exposure may be associated with autoimmune disorders and other adverse health effects involving the kidney. In particular, the incidence of scleroderma (thickening of the skin caused by swelling and the thickening of fibrous tissue) appears to be higher in silicotic individuals. To date, the evidence does not conclusively determine a causal relationship between silica exposure and these adverse health effects.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Not expected to be harmful to aquatic organisms. Discharging aggregate, sand and gravel dust and fines into waters may increase total suspended particulate (TSP) levels that can be harmful to certain aquatic organisms.

Persistence and degradability:	Not applicable.
Bioaccumulative potential:	Not applicable.
Mobility in soil:	Not applicable.
Other adverse effects:	No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, global warming potential) are expected from this component.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Do not allow fine particulate matter to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with fine particulates. Dispose of contents in accordance with local/regional/national/international regulations.
Hazardous Waste Code:	Not regulated.
Waste From Residues/Unused Products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated Packaging:	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty packaging materials should be recycled or disposed of in accordance with applicable regulations and practices.

Section 14: TRANSPORTATION INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not regulated.	Not regulated.	Not regulated.
UN Proper Shipping Name	----	----	----
Transport Hazard Class(es)	----	----	----
Packing Group	----	----	----
Environmental Hazards	----	----	----

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Section 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations/ Legislations Specific For The Chemical:

US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

OSHA Hazard Communication Standard, 29 CFR 1910.1200 TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D):	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200 Not regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4):	Not listed.
Clean Air Act Section 112 (b); Hazardous Air Pollutants (HAPs):	Not regulated
Clean Air Act Section 112 (r) Accidental Release Prevention (40 CFR 68.130):	Not regulated.
Safe Drinking Water Act (SDWA):	Not regulated.

Section 16: OTHER INFORMATION

Date of Preparation:	11.29.23
Expiration Date:	None
Version:	1.0
Revision Date:	N/A

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but are given without warranty or guarantee of any kind. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with granite to produce granite products. Users should review other relevant material safety data sheets before working with this granite or working on granite products. Inexperienced product users should obtain proper training before using this product. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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