

PRIMA PORCELAIN TILE

GENERAL SPECIFICATIONS – UNGLAZED: CHARCOAL, WARM WHITE, IVORY, SMOKE, MICA, CLAY

DESCRIPTION	METHOD	UNIT	12" x 12"	12" x 12"	12" x 24"	12" x 24"	24" x 24"	24" x 24"
			Matte	Polished	Matte	Polished	Matte	Polished
ACTUAL SIZE		mm in	298 x 298 mm 11.8" x 11.8"	298 x 298 mm 11.8" x 11.8"	298 x 600 mm 11.8" x 23.6"	298 x 600 mm 11.8" x 23.6"	600 x 600 mm 23.6" x 23.6"	600 x 600 mm 23.6" x 23.6"
THICKNESS		mm – in	9.8 mm – 3/8"	9.5 mm – 3/8"	9.8 mm – 3/8"	9.5 mm – 3/8"	9.8 mm – 3/8"	9.5 mm – 3/8"
WATER ABSORPTION	EN ISO 10545-3	(%)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
DEEP ABRASION	EN ISO 10545-6	(mm ³)	136	135	136	135	136	135
SCRATCH HARDNESS		(Mohs)	9	6	9	6	9	6
BREAKING STRENGTH	EN ISO 10545-4	(lbf)	≥ 500	≥ 450	≥ 500	≥ 450	≥ 500	≥ 450
CHEMICAL RESISTANCE	EN ISO 10545-13	(UL)	Class A – Res.	Class A – Res.	Class A – Res.	Class A – Res.	Class A – Res.	Class A – Res.
FROST RESISTANCE	EN ISO 10545-12		Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
STATIC COEFFICIENT OF FRICTION (WET)	ASTM C-1028	(μ)	≥ 0.50	≥ 0.40	≥ 0.50	≥ 0.40	≥ 0.50	≥ 0.40
STATIC COEFFICIENT OF FRICTION (DRY)	ASTM C-1028	(μ)	≥ 0.70	≥ 0.90	≥ 0.70	≥ 0.90	≥ 0.70	≥ 0.90
DCOF (WET)	ANSI B101.3		≥ 0.42	< 0.42	≥ 0.42	< 0.42	≥ 0.42	< 0.42
SHADE VARIATION			V1	V1	V1	V1	V1	V1

GENERAL SPECIFICATIONS – GLAZED: TRUE WHITE

DESCRIPTION	METHOD	UNIT	12" x 12"	12" x 12"	12" x 24"	12" x 24"	24" x 24"	24" x 24"
			Matte	Polished	Matte	Polished	Matte	Polished
ACTUAL SIZE		mm in	298 x 298 mm 11.8" x 11.8"	298 x 298 mm 11.8" x 11.8"	298 x 600 mm 11.8" x 23.6"	298 x 600 mm 11.8" x 23.6"	600 x 600 mm 23.6" x 23.6"	600 x 600 mm 23.6" x 23.6"
THICKNESS		mm – in	9.8 mm – 3/8"	9.8 mm – 3/8"	9.8 mm – 3/8"	9.8 mm – 3/8"	9.8 mm – 3/8"	9.8 mm – 3/8"
WATER ABSORPTION	EN ISO 10545-3	(%)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
ABRASION RESISTANCE	EN ISO 10545-7	(PEI)	4	4	4	4	4	4
SCRATCH HARDNESS		(Mohs)	6	6	6	6	6	6
BREAKING STRENGTH	EN ISO 10545-4	(lbf)	≥ 450	≥ 450	≥ 450	≥ 450	≥ 450	≥ 450
CHEMICAL RESISTANCE	EN ISO 10545-13	(GL)	Class A – Res.	Class A – Res.	Class A – Res.	Class A – Res.	Class A – Res.	Class A – Res.
FROST RESISTANCE	EN ISO 10545-12		Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
STATIC COEFFICIENT OF FRICTION (WET)	ASTM C-1028	(μ)	≥ 0.50	≥ 0.40	≥ 0.50	≥ 0.40	≥ 0.50	≥ 0.40
STATIC COEFFICIENT OF FRICTION (DRY)	ASTM C-1028	(μ)	≥ 0.70	≥ 0.60	≥ 0.70	≥ 0.60	≥ 0.70	≥ 0.60
DCOF (WET)	ANSI B101.3		< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
SHADE VARIATION			V1	V1	V1	V1	V1	V1





PRIMA PORCELAIN TILE

PACKAGING INFORMATION

DESCRIPTION	ITEM CODE	LBS/BOX	PCS/BOX	SQFT/BOX	BXS/SKID	SOFT/SKID
24" x 24" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE POLISHED*	69-885	67.02	4	15.50	28	434.00
24" x 24" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE MATTE*	69-325	67.02	4	15.50	28	434.00
12" x 24" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE POLISHED*	69-871	71.78	8	15.50	28	434.00
12" x 24" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE MATTE*	69-256	67.02	8	15.50	28	434.00
12" x 12" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE POLISHED*	63-540	44.89	11	10.65	42	447.40
12" x 12" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE MATTE*	63-533	49.09	11	10.65	42	447.40
3" x 24" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE POLISHED*	69-872	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA TRUE WHITE PORCELAIN RECTIFIED TILE MATTE*	69-257	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA TRUE WHITE PORCELAIN MOSAICS MATTE*	69-270	43.55	10	9.68	45	435.60
24" x 24" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE POLISHED	69-886	69.31	4	15.50	30	465.00
24" x 24" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE MATTE	69-326	75.31	4	15.50	28	434.00
12" x 24" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE POLISHED	69-873	69.31	8	15.50	32	496.00
12" x 24" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE MATTE	69-258	75.31	8	15.50	28	434.00
12" x 12" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE POLISHED	63-541	44.89	11	10.65	46	490.01
12" x 12" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE MATTE	63-534	49.09	11	10.65	42	447.40
3" x 24" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE POLISHED	69-874	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA WARM WHITE PORCELAIN RECTIFIED TILE MATTE	69-259	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA WARM WHITE PORCELAIN MOSAICS MATTE	69-271	43.55	10	9.68	45	435.60
24" x 24" PRIMA IVORY PORCELAIN RECTIFIED TILE POLISHED	69-887	62.61	4	15.50	30	465.00
24" x 24" PRIMA IVORY PORCELAIN RECTIFIED TILE MATTE	69-327	70.10	4	15.50	28	434.00
12" x 24" PRIMA IVORY PORCELAIN RECTIFIED TILE POLISHED	69-875	61.73	8	15.50	32	496.00
12" x 24" PRIMA IVORY PORCELAIN RECTIFIED TILE MATTE	69-260	65.26	8	15.50	28	434.00
3" x 24" PRIMA IVORY PORCELAIN RECTIFIED TILE POLISHED	69-876	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA IVORY PORCELAIN RECTIFIED TILE MATTE	69-261	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA IVORY PORCELAIN MOSAICS MATTE	69-272	43.55	10	9.68	45	435.60
24" x 24" PRIMA SMOKE PORCELAIN RECTIFIED TILE POLISHED	69-888	63.49	4	15.50	30	465.00
24" x 24" PRIMA SMOKE PORCELAIN RECTIFIED TILE MATTE	69-328	70.43	4	15.50	28	434.00
12" x 24" PRIMA SMOKE PORCELAIN RECTIFIED TILE POLISHED	69-877	63.50	8	15.50	32	496.00
12" x 24" PRIMA SMOKE PORCELAIN RECTIFIED TILE MATTE	69-262	69.82	8	15.50	28	434.00
3" x 24" PRIMA SMOKE PORCELAIN RECTIFIED TILE POLISHED	69-878	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA SMOKE PORCELAIN RECTIFIED TILE MATTE	69-263	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA SMOKE PORCELAIN MOSAICS MATTE	69-273	43.55	10	9.68	45	435.60
24" x 24" PRIMA MICA PORCELAIN RECTIFIED TILE POLISHED	69-889	64.38	4	15.50	30	465.00
24" x 24" PRIMA MICA PORCELAIN RECTIFIED TILE MATTE	69-329	71.28	4	15.50	28	434.00
12" x 24" PRIMA MICA PORCELAIN RECTIFIED TILE POLISHED	69-879	63.49	8	15.50	32	496.00
12" x 24" PRIMA MICA PORCELAIN RECTIFIED TILE MATTE	69-264	70.82	8	15.50	28	434.00
3" x 24" PRIMA MICA PORCELAIN RECTIFIED TILE POLISHED	69-880	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA MICA PORCELAIN RECTIFIED TILE MATTE	69-265	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA MICA PORCELAIN MOSAICS MATTE	69-274	43.55	10	9.68	45	435.60
24" x 24" PRIMA CLAY PORCELAIN RECTIFIED TILE POLISHED	69-890	62.61	4	15.50	30	465.00
24" x 24" PRIMA CLAY PORCELAIN RECTIFIED TILE MATTE	69-330	66.14	4	15.50	28	434.00
12" x 24" PRIMA CLAY PORCELAIN RECTIFIED TILE POLISHED	69-881	61.73	8	15.50	32	496.00
12" x 24" PRIMA CLAY PORCELAIN RECTIFIED TILE MATTE	69-266	65.26	8	15.50	28	434.00
3" x 24" PRIMA CLAY PORCELAIN RECTIFIED TILE POLISHED	69-882	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA CLAY PORCELAIN RECTIFIED TILE MATTE	69-267	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA CLAY PORCELAIN MOSAICS MATTE	69-275	43.55	10	9.68	45	435.60
24" x 24" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE POLISHED	69-891	76.06	4	15.50	30	465.00
24" x 24" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE MATTE	69-331	80.47	4	15.50	28	434.00
12" x 24" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE POLISHED	69-883	74.96	8	15.50	32	496.00
12" x 24" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE MATTE	69-268	79.37	8	15.50	28	434.00
12" x 12" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE POLISHED	63-542	44.89	11	10.65	46	490.01
12" x 12" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE MATTE	63-535	49.09	11	10.65	42	447.40
3" x 24" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE POLISHED	69-884	33.34	15	N/A	56	840 pcs.
3" x 24" PRIMA CHARCOAL PORCELAIN RECTIFIED TILE MATTE	69-269	33.34	15	N/A	56	840 pcs.
2" x 2" PRIMA CHARCOAL PORCELAIN MOSAICS MATTE	69-276	43.55	10	9.68	45	435.60

*Glazed Porcelain Tiles

SAFETY DATA SHEET
FLOOR TILE & GLAZED PORCELAIN TILE

FILE NO.: SDS.YBCFT.01
SDS DATE: January 2015

SECTION 1: IDENTIFICATION

PRODUCT NAME: Floor Tile & Glazed or Unglazed Porcelain Tile
SYNONYMS:
PRODUCT CODES: All current product references
PRODUCT USE: Residential & Commercial Construction Applications



CHEMICAL NAME: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A

MANUFACTURER: Anatolia Tile & Stone (Designer & Importer)
DIVISION: Corporate Office
ADDRESS: 8300 Huntington Road, Vaughan, ON Canada L4L 1A5

EMERGENCY PHONE: 905-771-3800
CHEMTREC PHONE:
OTHER CALLS:
FAX PHONE: 905-771-6300

PREPARED BY: Diana Vacca

SECTION 2: HAZARD(S) IDENTIFICATION



CARCINOGEN



IRRITANT / RESPIRATORY TRACT IRRITATION

NOTES: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.

EMERGENCY OVERVIEW:

The product is not classified as hazardous according to Regulation 1272/2008 (CLP). The product is a mixture of natural occurring minerals that have been mixed with water and fired in a high temperature kiln.

POTENTIAL HEALTH EFFECTS

EYES: Mechanical stress through eye rubbing if exposed to dust or airborne particulates

SKIN: Skin irritation if exposed to dust or airborne particulates

INGESTION: Potential choking hazard if exposed to airborne particulates

INHALATION: Mechanical stress from inhalation of dust or airborne particulates

ACUTE HEALTH HAZARDS: No further relevant information available.

CHRONIC HEALTH HAZARDS: No further relevant information available

SAFETY DATA SHEET
FLOOR TILE & GLAZED PORCELAIN TILE

FILE NO.: SDS.YBCFT.01
SDS DATE: January 2015

SECTION 2: HAZARD(S) IDENTIFICATION - CONTINUED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No further relevant information available

CARCINOGENICITY

Crystalline Silica (Quartz)
LD50 Rat oral > 22,500 mg/kg & LD50 Mouse oral > 15,000 mg/kg
LC50 Carp > 10,000 mg/l (per 72 hr)

OSHA: Recommended that Crystalline Silica be considered a POTENTIAL occupational carcinogen
ACGIH: No information available
NTP: 9th Report: Lists Respirable Crystalline Silica as known to be a Human Carcinogen
IARC: Respirable Crystalline Silica is classified as as a Group 1 Carcinogen (carcinogenic to humans).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:

The product is a mixture of below natural occurring minerals that have been mixed with water and fired in a high temperature kiln. This tile contains <0.1 percent by weight each of the following elements; cadmium, zinc, chrome and other metals.

<u>NAME</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
Crystalline Silica (Quartz) *	7631-86-9	20 - 30	DSD: Not Classified CLP: Not Classified
Amorphous Phase **	60676-86-0	50 - 70	DSD: Not Classified CLP: Not Classified
Albite	270-666-7	10 - 20	DSD: Not Classified CLP: Not Classified
Mullite	215-113-2	10 - 20	DSD: Not Classified CLP: Not Classified

* Crystalline Silica exists in the nature of the minerals such as sand and clay

** Amorphous phase includes some of the following: *Al₂O₃, SiO₂, CaO, K₂O, Na₂O, Fe₂O₃*

SECTION 4: FIRST AID MEASURES

Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting tiles or if dust is produced by any other operations, including removal.

EYES: Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Check for and remove any contact lenses. Rinse out with water with eyelid held wide open. Get medical attention if irritation persists.

SKIN: Wash off immediately with soap and plenty of water. Get medical attention if irritation persists.

INGESTION: Rinse out mouth and make victim drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel; call for medical help.

INHALATION: Remove from exposure. Keep warm and at rest and provide fresh air. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No further information available.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not Flammable
(% BY VOLUME) **LOWER:** Not Flammable

FLASH POINT: No Data Available

F: N/A

C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE: No Data Available

F: N/A

C: N/A

EXTINGUISHING MEDIA:

Suitable: Water, alcohol resistant foam, CO2, dry chemical powder

Unsuitable: Water jet

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and full protective clothing in case of fire. Avoid breathing fire fumes

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not explosive

HAZARDOUS DECOMPOSITION PRODUCTS:

The product is non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials. Development of hazardous combustion gases or fumes are possible in the event of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

For non-emergency personnel: Keep unnecessary and unprotected personnel from entering. Wear appropriate personal protective equipment as described in Section 8. Follow the advice for safe handling and use given in Section 7.

For emergency responders: Emergency procedures are not required. However, respiratory protection is needed in situations with high dust levels.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

Do not empty into drains and sewers. Keep from entering into water and ground water systems. Contain spillage where possible and safe to do so. Inform appropriate authority in case of accidental contamination of watercourses or drains.

Use dry clean up methods such as vacuum exhaust which do not generate dust formation. Never use compressed air for cleaning. If dust is formed applying a dry cleaning method, personal protective equipment must be used. Avoid inhalation of product dust and skin contact. Place the spilled material in an appropriate waste disposal container for proper disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. Avoid inhalation and contact with skin, eye and clothing.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink.

OTHER PRECAUTIONS:

No further relevant information available.

EXPOSURE GUIDELINES: Attempt to stop spillage without personal risk. Should not be released into the environment. Prevent product from entering drains.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



ENGINEERING CONTROLS:

Contains the following ingredients with occupational exposure limit values:

Crystalline Silica (Quartz): TWA: 0.1 mg/cubic meter (respirable dust)

VENTILATION : Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. The highest probability of silica exposure occurs during dry cutting. Wet cutting methods are recommended.

RESPIRATORY PROTECTION: Use FFP2 type dust mask

EYE PROTECTION: Use tight fitting safety goggles or safety glasses with side shields where dust is formed. Contact lenses may absorb irritants. Do not wear contact lenses in work areas. Have emergency eyewash station available in area where tiles are cut

SKIN PROTECTION: Wear dust proof protective gloves, boots, and long sleeved clothing.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required

WORK HYGIENIC PRACTICES: Do not eat, drink or smoke when working. Wash hands and if necessary shower before breaks and after work to remove adherent product. Avoid contact with eyes and skin. After working with product, workers should wash or shower and use skin care products. Clean contaminated clothing, footwear etc thoroughly before re-using them.

SAFETY DATA SHEET
FLOOR TILE & GLAZED PORCELAIN TILE

FILE NO.: SDS.YBCFT.01
SDS DATE: January 2015

SECTION 9: PHYSICAL DATA

APPEARANCE: Solid

ODOR: Odourless

PHYSICAL STATE: Solid

pH AS SUPPLIED: No data available
pH (Other):

BOILING POINT: No data available

F:

C:

MELTING POINT:

F: > 2372

C: > 1300

FREEZING POINT: No data available

F:

C:

VAPOR PRESSURE (mmHg): Not applicable

@

F:

C:

VAPOR DENSITY (AIR = 1): 2.35 – 2.95 g / cubic centimeter

@

F:

C:

SPECIFIC GRAVITY (H₂O = 1): Not applicable

@

F:

C:

EVAPORATION RATE: Not applicable

BASIS (=1):

SOLUBILITY IN WATER: Not soluble

PERCENT SOLIDS BY WEIGHT: 100%

PERCENT VOLATILE: Not applicable

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): Not applicable

WITH WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: Not applicable

VISCOSITY: Not applicable

@

F:

C:

SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY: The product is **STABLE** under normal conditions of storage and use. Contact with incompatible materials should be avoided.

CONDITIONS TO AVOID (STABILITY): Avoid contact with acids (e.g. acetic, hydrofluoric, etc.) Glass is non-flammable. Glass will react with hydrofluoric acid producing a corrosive gas – silicon tetra fluoride.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids (e.g., acetic, hydrofluoric, etc.)

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, decomposition may produce toxic gases / fumes. Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200.

HAZARDOUS POLYMERIZATION: Not applicable

CONDITIONS TO AVOID (POLYMERIZATION): Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Acute:** Working with broken or cut tile produces a potential for cuts to the hands and exposed body parts. Acute effects such as eye irritation may occur if associated with high dust operations such as dry cutting tile or during the removal of tile surfaces.
Chronic: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.

Crystalline Silica (Quartz)
LD50 Rat oral > 22,500 mg / kg & LD50 Mouse oral > 15,000 mg / kg
LC50 Carp > 10,000 mg / l (per 72 hr)

Skin & Eye corrosion / irritation
Inhalation and potential eye exposure to eyes may cause irritation if contact is made with broken, and / or during procedures involving the cutting of tiles, and / or for operations involving the removal of installed tiles.

Sensitization Existing lung disease may be aggravated after exposure to tile dusts. Long term exposure to silica dusts can lead to silicosis.

Genetic Toxicity No data available

Repeated Dose Toxicity No data available

Cardinogenicity
Respirable crystalline silica is classified by the International Agency for Research on Cancer (IARC) as a Group 1 Carcinogen (carcinogenic to humans). The National Toxicology Program (9th Report) lists respirable crystalline silica as known to be a Human Carcinogen. USDOL/OSHA and NIOSH have recommended that crystalline silica be considered a potential occupational carcinogen.

Reproductive Toxicity No data available

Specific target organ Toxicity No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Waste Treatment Methods Can be deposited in landfills, sent to an incineration or other appropriate means of disposal provided they meet the requirements of local laws.

Methods of Disposal The generation of waste should be avoided or minimized wherever possible. Dispose of in accordance with local regulations.

Contaminated Packaging This material and its package must be disposed of in a safe way

SECTION 14: TRANSPORT INFORMATION

RCRA HAZARD CLASS: Not applicable

SPECIAL SHIPPING INFORMATION Not Applicable

SECTION 15: REGULATORY INFORMATION

No data available

SECTION 16: PREPARATION INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

Date Prepared	January 15, 2015
Revision	01

DISCLAIMER: The information contained within this Safety Data Sheet is believed to be accurate and have been compiled from sources believed to be reliable. It is offered for consideration, investigation and verification. It is the users responsibility to follow the guidelines as outlined within this SDS. The user assumes all risk of use, storage and handling in compliance with applicable laws and regulations.

SAFETY DATA SHEET

CERAMIC WALL TILE

FILE NO.: SDS.YBCWT.01

SDS DATE: January 2015

SECTION 1: IDENTIFICATION

PRODUCT NAME: Ceramic Wall Tile
SYNONYMS:
PRODUCT CODES: All current product references
PRODUCT USE: Residential & Commercial Construction Applications

CHEMICAL NAME: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A

MANUFACTURER: Anatolia Tile & Stone (Designer & Importer)
DIVISION: Corporate Office
ADDRESS: 8300 Huntington Road, Vaughan, ON Canada L4L 1A5

EMERGENCY PHONE: 905-771-3800
CHEMTREC PHONE:
OTHER CALLS:
FAX PHONE: 905-771-6300

PREPARED BY: Diana Vacca



Casabella[®]
Ceramic

SECTION 2: HAZARD(S) IDENTIFICATION



CARCINOGEN



IRRITANT / RESPIRATORY TRACT IRRITATION

NOTES: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.

EMERGENCY OVERVIEW:

The product is not classified as hazardous according to Regulation 1272/2008 (CLP). The product is a mixture of natural occurring minerals that have been mixed with water and fired in a high temperature kiln.

POTENTIAL HEALTH EFFECTS

EYES: Mechanical stress through eye rubbing if exposed to dust or airborne particulates

SKIN: Skin irritation if exposed to dust or airborne particulates

INGESTION: Potential choking hazard if exposed to airborne particulates

INHALATION: Mechanical stress from inhalation of dust or airborne particulates

ACUTE HEALTH HAZARDS: No further relevant information available.

CHRONIC HEALTH HAZARDS: No further relevant information available

SAFETY DATA SHEET

CERAMIC WALL TILE

FILE NO.: SDS.YBCWT.01

SDS DATE: January 2015

SECTION 2: HAZARD(S) IDENTIFICATION - CONTINUED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No further relevant information available

CARCINOGENICITY

Crystalline Silica (Quartz)
LD50 Rat oral > 22,500 mg/kg & LD50 Mouse oral > 15,000 mg/kg
LC50 Carp > 10,000 mg/l (per 72 hr)

OSHA: Recommended that Crystalline Silica be considered a POTENTIAL occupational carcinogen
ACGIH: No information available
NTP: 9th Report: Lists Respirable Crystalline Silica as known to be a Human Carcinogen
IARC: Respirable Crystalline Silica is classified as a Group 1 Carcinogen (carcinogenic to humans).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:

The product is a mixture of below natural occurring minerals that have been mixed with water and fired in a high temperature kiln. This tile contains <0.1 percent by weight each of the following elements; cadmium, zinc, chrome and other metals.

<u>NAME</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
Crystalline Silica (Quartz) *	7631-86-9	30 - 50	DSD: Not Classified CLP: Not Classified
Amorphous Phase **	60676-86-0	20 - 40	DSD: Not Classified CLP: Not Classified
Anorthite		15 - 30	DSD: Not Classified CLP: Not Classified
Mullite	215-113-2	5 - 15	DSD: Not Classified CLP: Not Classified

* Crystalline Silica exists in the nature of the minerals such as sand and clay

** Amorphous phase includes some of the following: $Al_2O_3, SiO_2, CaO, K_2O, Na_2O, Fe_2O_3$

SECTION 4: FIRST AID MEASURES

Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting tiles or if dust is produced by any other operations, including removal.

EYES: Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Check for and remove any contact lenses. Rinse out with water with eyelid held wide open. Get medical attention if irritation persists.

SKIN: Wash off immediately with soap and plenty of water. Get medical attention if irritation persists.

INGESTION: Rinse out mouth and make victim drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel; call for medical help.

INHALATION: Remove from exposure. Keep warm and at rest and provide fresh air. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No further information available.

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SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not Flammable
(% BY VOLUME) LOWER: Not Flammable

FLASH POINT: No Data Available

F: N/A

C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE: No Data Available

F: N/A

C: N/A

EXTINGUISHING MEDIA:

Suitable: Water, alcohol resistant foam, CO₂, dry chemical powder

Unsuitable: Water jet

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and full protective clothing in case of fire. Avoid breathing fire fumes

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not explosive

HAZARDOUS DECOMPOSITION PRODUCTS:

The product is non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials. Development of hazardous combustion gases or fumes are possible in the event of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

For non-emergency personnel: Keep unnecessary and unprotected personnel from entering. Wear appropriate personal protective equipment as described in Section 8. Follow the advice for safe handling and use given in Section 7.

For emergency responders: Emergency procedures are not required. However, respiratory protection is needed in situations with high dust levels.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

Do not empty into drains and sewers. Keep from entering into water and ground water systems. Contain spillage where possible and safe to do so. Inform appropriate authority in case of accidental contamination of watercourses or drains.

Use dry clean up methods such as vacuum exhaust which do not generate dust formation. Never use compressed air for cleaning. If dust is formed applying a dry cleaning method, personal protective equipment must be used. Avoid inhalation of product dust and skin contact. Place the spilled material in an appropriate waste disposal container for proper disposal.

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SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. Avoid inhalation and contact with skin, eye and clothing.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink.

OTHER PRECAUTIONS:

No further relevant information available.

EXPOSURE GUIDELINES: Attempt to stop spillage without personal risk. Should not be released into the environment. Prevent product from entering drains.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



ENGINEERING CONTROLS:

Contains the following ingredients with occupational exposure limit values:

Crystalline Silica (Quartz): TWA: 0.1 mg/cubic meter (respirable dust)

VENTILATION : Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. The highest probability of silica exposure occurs during dry cutting. Wet cutting methods are recommended.

RESPIRATORY PROTECTION: Use FFP2 type dust mask

EYE PROTECTION: Use tight fitting safety goggles or safety glasses with side shields where dust is formed. Contact lenses may absorb irritants. Do not wear contact lenses in work areas. Have emergency eyewash station available in area where tiles are cut

SKIN PROTECTION: Wear dust proof protective gloves, boots, and long sleeved clothing.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required

WORK HYGIENIC PRACTICES: Do not eat, drink or smoke when working. Wash hands and if necessary shower before breaks and after work to remove adherent product. Avoid contact with eyes and skin. After working with product, workers should wash or shower and use skin care products. Clean contaminated clothing, footwear etc thoroughly before re-using them.

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SECTION 9: PHYSICAL DATA

APPEARANCE: Solid

ODOR: Odourless

PHYSICAL STATE: Solid

pH AS SUPPLIED: No data available

pH (Other):

BOILING POINT: No data available

F:

C:

MELTING POINT:

F: > 2192

C: > 1200

FREEZING POINT: No data available

F:

C:

VAPOR PRESSURE (mmHg): Not applicable

@

F:

C:

VAPOR DENSITY (AIR = 1): 1.75 – 2.95 g / cubic centimeter

@

F:

C:

SPECIFIC GRAVITY (H₂O = 1): Not applicable

@

F:

C:

EVAPORATION RATE: Not applicable

BASIS (=1):

SOLUBILITY IN WATER: Not soluble

PERCENT SOLIDS BY WEIGHT: 100%

PERCENT VOLATILE: Not applicable

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): Not applicable

WITH WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: Not applicable

VISCOSITY: Not applicable

@

F:

C:

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SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY: The product is **STABLE** under normal conditions of storage and use. Contact with incompatible materials should be avoided.

CONDITIONS TO AVOID (STABILITY): Avoid contact with acids (e.g. acetic, hydrofluoric, etc.) Glass is non-flammable. Glass will react with hydrofluoric acid producing a corrosive gas – silicon tetra fluoride.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids (e.g., acetic, hydrofluoric, etc.)

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, decomposition may produce toxic gases / fumes. Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200.

HAZARDOUS POLYMERIZATION: Not applicable

CONDITIONS TO AVOID (POLYMERIZATION): Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Acute:** Working with broken or cut tile produces a potential for cuts to the hands and exposed body parts. Acute effects such as eye irritation may occur if associated with high dust operations such as dry cutting tile or during the removal of tile surfaces.
Chronic: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.

Crystalline Silica (Quartz)

LD50 Rat oral > 22,500 mg / kg & LD50 Mouse oral > 15,000 mg / kg

LC50 Carp > 10,000 mg / l (per 72 hr)

Skin & Eye corrosion / irritation

Inhalation and potential eye exposure to eyes may cause irritation if contact is made with broken, and / or during procedures involving the cutting of tiles, and / or for operations involving the removal of installed tiles.

Sensitization Existing lung disease may be aggravated after exposure to tile dusts. Long term exposure to silica dusts can lead to silicosis.

Genetic Toxicity No data available

Repeated Dose Toxicity No data available

Cardinogenicity

Respirable crystalline silica is classified by the International Agency for Research on Cancer (IARC) as a Group 1 Carcinogen (carcinogenic to humans). The National Toxicology Program (9th Report) lists respirable crystalline silica as known to be a Human Carcinogen. USDOL/OSHA and NIOSH have recommended that crystalline silica be considered a potential occupational carcinogen.

Reproductive Toxicity No data available

Specific target organ Toxicity No data available

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SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Waste Treatment Methods Can be deposited in landfills, sent to an incineration or other appropriate means of disposal provided they meet the requirements of local laws.

Methods of Disposal The generation of waste should be avoided or minimized wherever possible. Dispose of in accordance with local regulations.

Contaminated Packaging This material and its package must be disposed of in a safe way

SECTION 14: TRANSPORT INFORMATION

RCRA HAZARD CLASS: Not applicable

SPECIAL SHIPPING INFORMATION Not Applicable

SECTION 15: REGULATORY INFORMATION

No data available

SECTION 16: PREPARATION INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: Date Prepared January 15, 2015
 Revision 01

DISCLAIMER: The information contained within this Safety Data Sheet is believed to be accurate and have been compiled from sources believed to be reliable. It is offered for consideration, investigation and verification. It is the users responsibility to follow the guidelines as outlined within this SDS. The user assumes all risk of use, storage and handling in compliance with applicable laws and regulations.