CERAMIC TILE SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS
R.J. Beaumont & Co. Pty Ltd
225 Maron Rd
Marleston, SA 5032

EMERGENCY TELEPHONE NUMBERS
: (08) 82924444

IMPORTER : Beaumont Tiles
RANGE NAME : Grain
PRODUCT TYPE : Ceramic Tile, conforming to AS ISO 13006-2020 Annex "G"
CHEMICAL : Not applicable
PRODUCT USE : Building Material- Wall and Floor covering

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

Ceramic tiles in their finished form are odorless, stable, nonflammable and pose no immediate hazard to health. They do not release hazardous materials after installation and are not considered hazardous waste should disposal be necessary under normal conditions. However, airborne dust/particles derived from dry cutting, drilling, grinding etc during installation can contain respirable crystalline silica (SiO_2) which can cause illness or disease including silicosis.

GHS Classification	Hazard Statements	Pictogram
CRYSTALLINE SILICA DUST CATEGORY 3 (H335)	May cause respiratory tract irritation.	
CRYSTALLINE SILICA DUST CATEGORY 1 (H372)	Causes damage to organs (lung/ respiratory) through prolonged or repeated exposure (inhalation). Specific targets organ toxicity – single exposure.	
CRYSTALLINE SILICA DUST CATEGORY 1A (H350)	May cause cancer (inhalation). Specific target organ toxicity following repeated exposure.	

SECTION 3 - COMPOSITION AND INFORMATION OF INGREDIENTS

COMPONENT	CAS Number	PERCENTAGE
CRYSTALLINE SILICA SiO_2	14808-60-7	≤40.0 %
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	N/A	-

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

CONTACT WITH SKIN OR CLOTHING	Wash thoroughly after working with tiles. If any symptoms or irritation result from exposure, obtain medical attention.
CONTACT WITH EYES	Not expected from intact tiles. Hold eye open and rinse slowly and gently with water for several minutes. Remove contact lenses, if present, then continue rinsing eye. If irritation results from exposure, obtain medical attention
INHALATION	Not expected from intact tiles. If dust/particles from cut or broken tiles is inhaled: move victim to fresh air.

	Place in comfortable breathing position. Get medical attention if breathing becomes difficult at any time.
SWALLOWED	Not expected from intact tiles. If dust/particles from cut or broken tiles is swallowed, rinse mouth with water.
MOST IMPORTANT SYMPTOMS, ACUTE AND DELAYED EFFECTS	Acute: Inhalation of dust/particles can lead to respiratory irritation. Exposure to skin and eyes can cause irritation and drying. Delayed: Chronic or repeated inhalation of airborne dust/particles from cut or broken tiles can cause Silicosis, Pulmonary Fibrosis, COPD and/or other lung cancers.

SECTION 5 - FIREFIGHTING MEASURES

EXTINGUISHER EQUIPMENT	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
SPECIFIC HAZARDS ARISING FROM SUBSTANCE	Nonflammable
SPECIAL FIRE FIGHTING PROCEDURES	None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Dry cutting will cause excessive particle and dust formation, do not cut by uncontrolled dry cutting method. Avoid creating excessive dust during cutting of tiles - use score & snap, wet cutting or use of on tool-dust extraction. See Section 8 concerning personal protection information for clean-up.
ENVIRONMENTAL PRECAUTIONS	N/A
PROTECTIVE EQUIPMENT	For clean-up of particles/dust use a vacuum system containing a High-Efficiency Particulate (HEPA) H Class filtering system. Alternatively use wet low-pressure water or wet sweeping method. Use a fit tested P2 mask/RPE.

SECTION 7 - HANDLING AND STORAGE

HANDLING (TRANSPORTATION)	Product is fragile. Breaking of tiles can produce potentially harmful airborne dust. Padding between hard edges and tile is recommended.
HANDLING (CUTTING, GRINDING & DRILLING etc)	Installation process to be conducted in a well-ventilated area. Always use score and snap tile cutting method where possible. No uncontrolled dry cutting - wet cutting or use of on tool-dust extraction. Wear proper safety equipment specified in Section 8.
STORAGE	Do not store near acids. Shelf life is unlimited

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

The workplace exposure standard for respirable crystalline silica is an eight-hour time weighted average (TWA) of 0.05 milligrams per cubic meter (mg/m^3). A TWA is based on exposure that happens over an eight-hour working day followed by 16 hours of no exposure, over a five day working week.

ENGINEERING CONTROLS	Where possible use local exhaust ventilation. No uncontrolled dry cutting - use score & snap, wet cutting or use of on tool-dust extraction. For cleaning up use vacuum with a High-Efficiency Particulate (HEPA) H Class filtering system.
VENTILATION	Use adequate ventilation to keep exposure to dust below recommended exposure levels, where possible use local exhaust ventilation. Avoid inhalation of dust. Warning signs & exclusion zones when cutting tiles. The highest probability of silica exposure occurs during installation using dry cutting

	methods or during removal of installed tile.
EYE PROTECTION	Safety goggles or glasses with side shields
CLOTHING	Long-sleeved shirt and long pants, chemical-resistant safety footwear
GLOVES	Wear protective gloves
RESPIRATOR	Not required when handled under normal conditions. When risk of dust generation is possible e.g. during installation, use a fit tested P2 mask/RPE.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / PHYSICAL STATE	Solid, colours vary
ODOUR	Odourless
MELTING POINT	Not Available
BOILING POINT	Not applicable
VAPOUR PRESSURE	Not applicable
VAPOUR DENSITY (AIR = 1)	Not applicable
SOLUBILITY IN WATER	Insoluble

pH	Not applicable
FLASH POINT (°C)	Not applicable
FLAMMABILITY	Not applicable
RELATIVE DENSITY	Not applicable
VISCOSITY (CST)	Not applicable
EVAPORATION RATE	Not applicable
PERCENT VOLATILE BY VOLUME	Not applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable in current form at normal temperature and storage conditions
REACTIVITY	Stable under normal condition
CONDITIONS TO AVOID	Avoid contact with acids (e.g., acetic, hydrofluoric, etc.). Avoid strong impacts that may cause the material to break
INCOMPATIBLE MATERIALS	Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)
HAZARDOUS DECOMPOSITION PRODUCTS	None

SECTION 11 - TOXICOLOGICAL INFORMATION

*Intact tile does not have any known harmful routes of exposure. Hazards come from crystalline silica dust/particle formation from cutting, grinding, drilling and breaking tiles.

PRIMARY ROUTES OF EXPOSURE	*None for intact tile* *Inhalation* – Yes* *Eye* – Yes* *Skin* – Yes* *Ingestion* – Yes*
ACUTE EFFECTS	No acute effects from exposure to intact tile are known. Inhalation of dust/particles can lead to respiratory irritation. Exposure to skin and eyes can cause irritation and drying.
CHRONIC EFFECTS	No chronic effects are known for exposure to intact tile. Single exposure or repeated inhalation of airborne dust/particles from cut or broken tiles can cause Silicosis, Pulmonary Fibrosis, COPD and/or other lung cancers.
DELAYED EFFECTS	No delayed effects are known for exposure to intact tile. Single exposure or repeated inhalation of airborne dust/particles from cut or broken tiles can cause Silicosis, Pulmonary Fibrosis, COPD and/or other lung cancers.
CARCINOGEN STATUS	May cause cancer (inhalation) - Specific target organ toxicity following repeated exposure. The International Agency for Research on Cancer (IARC) classifies respirable crystalline silica as a Group I Carcinogen (carcinogenic to humans). NIOSH have recommended that crystalline silica be considered a potential occupational carcinogen.

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SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	None Known
PERSISTENCE AND DEGRADABILITY	None Known
BIOACCUMULATIVE POTENTIAL	None Known
MOBILITY IN SOIL	None Known
OTHER ADVERSE EFFECTS	None Known

SECTION 13 - DISPOSAL CONSIDERATIONS

Removal of particles/dust using a vacuum system containing a High-Efficiency Particulate (HEPA) H Class filtering system. Alternatively use wet low-pressure water or wet sweeping method.
Waste should be disposed of in a landfill certified to accept such materials in accordance with federal, state, and local regulations

SECTION 14 - TRANSPORT INFORMATION

HAZARD CLASS	Non-regulated (for disposal purposes material is nonhazardous Class III regulated material)
ID NUMBER	Not applicable
MARKING	Not applicable
LABEL	Crystalline silica dust/particle warning label
PLACARD	None
HAZARDOUS SUBSTANCE/RQ	Not applicable
SHIPPING DESCRIPTION	Ceramic Tiles
PACKAGING REFERENCES	None

SECTION 15 - REGULATORY INFORMATION

Work Health and Safety Act 2011 (CTH)
Work Health and Safety Regulations 2011 (CTH)
Occupational Health and Safety Act 2004
Occupational Health and Safety Regulations 2017

SECTION 16 - OTHER INFORMATION

This product is intended for use by skilled individuals at their own risk. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. The information contained herein is based on data considered accurate based on current state of knowledge and experience.

Current Revision No.	Revision Details	Revision Date
1	New SDS	24/08/2023