# 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** : Trekked
**PRODUCT TYPE** : Ceramic Tile, conforming to AS ISO 13006-2020 Annex "J"
**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).<br>Specific targets organ toxicity – single exposure. |  |
| CRYSTALLINE SILICA DUST CATEGORY 1A (H350) | May cause cancer (inhalation).<br>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 | ≤32.0 % |
| 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.

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

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| | Place in comfortable breathing position.<br>Get medical attention if breathing becomes difficult at any time. |
| SWALLOWED | Not expected from intact tiles.<br>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.<br>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

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| 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

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| PERSONAL PRECAUTIONS | Dry cutting will cause excessive particle and dust formation, do not cut by uncontrolled dry cutting method.<br>Avoid creating excessive dust during cutting of tiles - use score & snap, wet cutting or use of on tool-dust extraction.<br>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.<br>Use a fit tested P2 mask/RPE. |

## SECTION 7 - HANDLING AND STORAGE

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

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| ENGINEERING CONTROLS | Where possible use local exhaust ventilation.<br>No uncontrolled dry cutting - use score & snap, wet cutting or use of on tool-dust extraction.<br>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.<br>Avoid inhalation of dust.<br>Warning signs & exclusion zones when cutting tiles.<br>The highest probability of silica exposure occurs during installation using dry cutting |

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| | 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.<br>When risk of dust generation is possible e.g. during installation, use a fit tested P2 mask/RPE. |

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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| 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 |

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| 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

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| 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.).<br>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.

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| PRIMARY ROUTES OF EXPOSURE | *None for intact tile*<br>*Inhalation* – Yes* *Eye* – Yes*<br>*Skin* – Yes* *Ingestion* – Yes* |
| ACUTE EFFECTS | No acute effects from exposure to intact tile are known.<br>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.<br>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.<br>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.<br>The International Agency for Research on Cancer (IARC) classifies respirable crystalline silica as a Group I Carcinogen (carcinogenic to humans).<br>NIOSH have recommended that crystalline silica be considered a potential occupational carcinogen. |

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## SECTION 12 – ECOLOGICAL INFORMATION

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| 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

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| 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 |