



## MATERIAL SAFETY DATA SHEET

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

| SECTION 1 - PRODUCT IDENTIFICATION AND USE |   |  |  |
|--|---|--|--|
| PRODUCT IDENTIFIER:                        | Turquoise                                       |  |  |
| PRODUCT NATURE                             | Inorganic pigment                               |  |  |
| PRODUCT USE:                               | Ceramic Colourant                               |  |  |
| SUPPLIER:                                  | Waikato Ceramics Ltd T/A Mac's Mud Clay Company |  |  |
| STREET ADDRESS:                            | 1961 Orini Road                                 |  |  |
| CITY:                                      | Taupiri   |  |  |
| TELEPHONE:                                 | 07 856 8890                                     |  |  |

| SECTION 2 - HAZARD IDENTIFICATION |   |        |  |
|-----------------------------------|---|--------|--|
| HSNO CLASSIFICATION               | CLASSIFIED AS HAZARDOUS IN ACCORDANCE WITH THE FOLLOWING HSNO CLASSIFICATIONS |        |  |
|                                   | 6.3A Substances that are irritating to the skin                               |        |  |
|                                   | 6.4A Substances that are irritating to the eye                                |        |  |
|                                   | 6.5A Substances that are respiratory sensitizers                              |        |  |
|                                   | 6.7B Substances that are suspected human carcinogens                          |        |  |
|                                   | 9.1B Substances that are ecotoxic in the aquatic environment                  |        |  |
|                                   | 9.2B Substances that are ecotoxic in the soil environment                     |        |  |
| COMPOSITION                       | Vanadium  | 50-60% |  |
|                                   | Zirconium   | 30-50% |  |
|                                   | Silica  | <1%    |  |

| SECTION 3 - PHYSICAL DATA |         |                                 |  |
|---------------------------|---------|---------------------------------|--|
| PHYSICAL STATE            | Solid   | ODOUR & APPEARANCE              | Minor odour. Sold as a powder in various quantities. |
| ODOUR THRESHOLD           | N/A     | VAPOUR DENSITY                  | N/A  |
| SPECIFIC GRAVITY          | N/A     | VAPOUR PRESSURE                 | N/A  |
| EVAPORATION RATE          | N/A     | FREEZING POINT                  | N/A  |
| BOILING POINT             | N/A     | SOLUBILITY IN WATER             | None   |
| % VOLATILE BY VOLUME      | N/A     | COEFF OF WATER/OIL DISTRIBUTION | N/A  |
| pH                        | Neutral |                                 |  |

| SECTION 4 - FIRE & EXPLOSION HAZARD OF MATERIAL |     |                                  |     |
|---|-----|----------------------------------|-----|
| FLAMMABILITY                                    | No  | AUTOIGNITION TEMPERATURE         | N/A |
| MEANS OF EXTINCTION                             | N/A | HAZARDOUS COMBUSTION PRODUCTS    | N/A |
| SPECIAL PROCEDURES                              | N/A | <b>EXPLOSION DATA</b>            |     |
| FLASHPOINT AND METHOD                           | N/A | SENSITIVITY TO MECHANICAL IMPACT | N/A |
| UPPER EXPLOSION LIMIT % BY VOLUME               | N/A | SENSITIVITY TO STATIC DISCHARGE  | N/A |

| SECTION 5 - REACTIVITY DATA         |     |  |  |
|-------------------------------------|-----|--|--|
| CHEMICAL STABILITY                  | Yes |  |  |
| NONCOMBATIBILITY TO OTHER SUBSTANCE | No  |  |  |

| SECTION 6 - TOXICOLOGICAL PROPERTIES OF MATERIALS |               |                       |                                   |
|---|---------------|-----------------------|-----------------------------------|
| SKIN CONTACT                                      | Yes           | INHALATION CHRONIC    | Yes                               |
| INHALATION ACUTE                                  | No            | EYE CONTACT           | Yes                               |
| SKIN ABSORPTION                                   | No            | INGESTION             | Yes                               |
| LD OF MATERIAL                                    | Not available | LC OF MATERIAL        | Not available                     |
| EXPOSURE LIMITS                                   | None          | IRRITANCY OF MATERIAL | May cause skin and eye irritation |
| SENSITIZATION                                     | Not available | SYNERGISTIC MATERIAL  | Not available                     |

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation of dusts may irritate the respiratory system. Repeated exposure to silica dust may lead to silicosis or other serious delayed lung injury. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis and asthma.

Skin contact may cause mechanical irritation causing redness or itching.

Eye contact may cause mechanical irritation including mild abrasion.

Contains materials (Silica and cadmium) that are potential human carcinogen. May cause cancer by inhalation or ingestion.

| SECTION 7 - PREVENTIVE MEASURES - PERSONAL PROTECTION EQUIPEMENT |                                       |
|--|---------------------------------------|
| HAND PROTECTION  | Protective gloves                     |
| EYE PROTECTION   | Safety glasses                        |
| RESPIRATORY PROTECTION   | Dust mask and appropriate ventilation |
| SKIN PROTECTION  | Appropriate covering clothing         |

| SECTION 8 - FIRST AID MEASURES |   |
|--------------------------------|---|
| SKIN                           | Wash affected area thoroughly with soap and water. If irritation occurs seek medical attention. |
| INHALATION                     | If inhaled, remove person from the contaminated area. Seek medical attention.                   |

**EYE CONTACT  
INGESTION**

If in eyes, flush continuously with running water. Remove contact lenses. Continue flushing for several minutes until the contaminants are removed. If symptoms develop, seek medical attention.  
Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**FOR ADVICE IN AN EMERGENCY CONTACT THE POISONS HOTLINE ON 0800 764 766**

**SECTION 9 - HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE  
HANDLING**

Avoid inhalation or contact with skin and eyes. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the working environment. Maintain high standards of personal hygiene eg. washing hands.

**CONDITIONS FOR SAFE  
STORAGE**

Store in a cool, dry, well ventilated area, out of direct sunlight and moisture. Store in suitable, labeled containers. Keep containers tightly closed and out of reach of children.

**SECTION 10 - OTHER MATTERS**

Avoid release to the environment. Do not allow into drains or water courses. Notify authorities if product enters sewers or public waters.

Prepared 1 July 2018