



## 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:	Browns (Walnut Brown, Chestnut Brown)		
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	Iron	25-50%	
	Chromium	15-20%	
	Aluminium	10-20%	
	Zinc	1-10%	

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 EQUIPMENT	
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	
<b>SKIN</b>	Wash affected area thoroughly with soap and water. If irritation occurs seek medical attention.

<b>INHALATION</b>	If inhaled, remove person from the contaminated area. Seek medical attention.
<b>EYE CONTACT</b>	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.
<b>INGESTION</b>	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