MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE
PRODUCT IDENTIFIER: Prepared and Blended Clays
PRODUCT USE: Ceramic Sculpture, Modelling and Casting.

SECTION 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>%</th>
<th>CAS NUMBER</th>
<th>Ld50 OF INGREDIENT</th>
<th>Lc50 OF INGREDIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREE SILICA (QUARTZ)</td>
<td>10-16</td>
<td>14808-60-7</td>
<td>NOT AVAILABLE</td>
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</tr>
</tbody>
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NOTES:
FREE SILICA IS NOT HAZARD IN MOIST FORM, ONLY A HAZARD IF CLAY IS DRY AND DUST IS GENERATED.

SEE ATTACHED:

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: SOLID
ODOUR AND APPEARANCE:
White colour with slight earthy odour.

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY:
YES ☐ NO ☑ CONSIDER DUST AS NON-FI AMMABLE AND NON-EXPLOSIVE

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY:
YES ☐ NO ☑ CONDITIONS OF INSTABILITY:
None.

INCOMPATIBILITY WITH OTHER SUBSTANCES:
YES ☐ NO ☑ INCOMPATIBLE SUBSTANCES:
None.

REACTIVITY, AND UNDER WHAT CONDITIONS:
Inert and Non-Reactive.

HAZARDOUS DECOMPOSITION PRODUCTS:
WILL NOT OCCUR
SECTION 6: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: ☐ SKIN CONTACT ☐ SKIN ABSORPTION ☐ EYE CONTACT ☒ INHALATION ☐ INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: A nuisance dust. See chronic effects.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Long term exposure to respirable free silica in concentrations higher than recommended TLV may cause lung injury.

EXPOSURE LIMITS: TLV = 1 mg/m³ respirable dust

IRRITANCY OF PRODUCT: Mechanical irritant only

NON APPLICABLE PROPERTIES: Sensitization, Carcinogenicity, Teratogenicity, Reproductive Toxicity, Mutagenicity

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVE (Specify) NOT REQ'D

FOOTWEAR (Specify) NOT REQ'D

ENGINEERING CONTROLS (Specify) Local exhaust or other ventilation that will reduce dust concentration to less than permissible exposure limits is recommended.

LEAK AND SPILL PROCEDURE: If clay is moist, no special precautions required. If dry, clean up and collect, minimizing excessive dust generation.

WASTE DISPOSAL: By approved method

HANDLING PROCEDURES AND EQUIPMENT: If clay is dry, controls should be used to maintain "free" silica dust exposure levels below TLV.

STORAGE REQUIREMENTS: No special requirements

SPECIAL SHIPPING INFORMATION: Not required

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES:

SKIN - Wash with water
EYES - Flush with running water until material is removed

SECTION 9 - PREPARATION DATA OF MSDS

PREPARED BY: Plainsman Clays Limited

PHONE NUMBER: (403) 527-8535

DATE: April 1, 1994

FURTHER PHYSICAL PROPERTIES AND DESCRIPTIVE LITERATURE AVAILABLE ON REQUEST.
**SECTION 1 - PRODUCT IDENTIFICATION AND USE**

**PRODUCT IDENTIFIER:** Prepared and Blended Clays

**PRODUCT USE:** Ceramic Sculpture, Modelling and Casting.

**SECTION 2 - HAZARDOUS INGREDIENTS**

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**SEE ATTACHED:**

**NOTES:**
* FREE SILICA IS NOT HAZARDOUS IN DRY FORM, ONLY A HAZARD IF CLAY IS DRY AND DUST IS GENERATED.

**SECTION 3 - PHYSICAL DATA**

**PHYSICAL STATE:** SOLID

**ODOUR AND APPEARANCE:**
White colour with slight earthy odour.

**PHYSICAL PROPERTIES NOT APPLICABLE:**
Odour Threshold, Vapour Pressure & Density, Boiling Point, Freezing Point, pH, Specific Gravity, Coeff. Water/Oil Dist.

**SECTION 4 - FIRE AND EXPLOSION DATA**

**FLAMMABILITY:**
YES ☐ NO ☑

**CONSIDER DUST AS NON-FLAMMABLE AND NON-EXPLOSIVE**

**SECTION 5 - REACTIVITY DATA**

**CHEMICAL STABILITY:**

**CONDITIONS OF INSTABILITY:** None.

**INCOMPATIBILITY WITH OTHER SUBSTANCES:**

**INCOMPATIBLE SUBSTANCES:** None.

**REACTIVITY, AND UNDER WHAT CONDITIONS:**
Inert and Non-Reactive.

**HAZARDOUS DECOMPOSITION PRODUCTS:** WILL NOT OCCUR.
**SECTION 5 - TOXICOLOGICAL PROPERTIES**

**ROUTE OF ENTRY**
- Skin Contact
- Skin Absorption
- Eye Contact
- Inhalation
- Ingestion

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT**
A NOISE DUST. SEE CHRONIC EFFECTS

**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT**
LONG TERM EXPOSURE TO RESPIRABLE FRIER SILICA IN CONCENTRATIONS HIGHER THAN RECOMMENDED TLV MAY CAUSE LUNG INJURY

**EXPOSURE LIMITS**
TLV = 1 mg/m^3 RESPIRABLE DUST

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<th>IRRITANTYS OF PRODUCT</th>
<th>NON APPLICABLE PROPERTIES:</th>
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<td>MECHANICAL IRITANT ONLY</td>
<td>Sensitization, Carcinogenicity, Teratogenicity, Reproductive Toxicity, Mutagenicity</td>
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**SYNERGISTIC PRODUCTS**
Tobacco smoke may increase lung damage

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**SECTION 7 - PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT**

<table>
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<tr>
<th>GLOVES (Specify)</th>
<th>NOT REQ'D</th>
<th>RESPIRATOR (Specify)</th>
<th>NOT REQ'D</th>
<th>RESPIRATOR WHERE TLV IS EXCEEDED</th>
<th>EYE (Specify)</th>
<th>SAFETY CLASSES FOR COMFORT ONLY</th>
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**FOOTWEAR (Specify) | NOT REQ'D | CLOTHING (Specify) | NOT REQ'D | SUPPORT OTHER (Specify) | NONE |

**ENGINEERING CONTROLS (Specify)**
LOCAL EXHAUST OR OTHER VENTILATION THAT WILL REDUCE DUST CONCENTRATION TO LESS THAN PERMISSIBLE EXPOSURE LIMITS IS RECOMMENDED

**LEAK AND SPILL PROCEDURE**
- IF CLAY IS MOIST, NO SPECIAL PRECAUTIONS REQUIRED. IF DRY, CLEAN UP AND COLLECT, MINIMIZING EXCESSIVE DUST GENERATION.

**WASTE DISPOSAL**
BY APPROVED METHOD

**HANDLING PROCEDURES AND EQUIPMENT**
IF CLAY IS DRY, CONTROLS SHOULD BE USED TO MAINTAIN "FREE" SILICA DUST EXPOSURE LEVELS BELOW TLV.

**STORAGE REQUIREMENTS**
NO SPECIAL REQUIREMENTS

**SPECIAL SHIPPING INFORMATION**
NOT REQUIRED

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**SECTION 8 - FIRST AID MEASURES**

**SPECIFIC MEASURES**
- **SKIN**: WASH WITH WATER
- **EYES**: FLUSH WITH RUNNING WATER UNTIL MATERIAL IS REMOVED

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**SECTION 9 - PREPARATION DATA OF MSDS**

**PREPARED BY:** Plainsman Clays Limited
**PHONE NUMBER:** (403) 527-8535
**DATE:** May 1, 1992

FURTHER PHYSICAL PROPERTIES AND DESCRIPTIVE LITERATURE AVAILABLE ON REQUEST.