FQ3 Grey Underglaze

IDENTIFICATION

Product name: Cesco™ Brush-on Underglaze
Code: FQ3 Grey Underglaze

COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS number</th>
<th>Proportion:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co/V-modified Tin Antimony cassiterite</td>
<td>68187-54-2</td>
<td>&gt;60%</td>
</tr>
<tr>
<td>Silica (Quartz)</td>
<td>14808-60-7</td>
<td>&lt;10%</td>
</tr>
</tbody>
</table>

Ceramic stains are blended mixtures of pigments formed by high calicination and silica or feldspar.

Underglazes are milled mixtures of ceramic stains and small amounts of milling additives, for application on ceramic surfaces under transparent glaze.

PHYSICAL DESCRIPTION/PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Grey viscous liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Negligible</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt;400°C</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Approximately 3.5</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Does not burn</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Negligible</td>
</tr>
</tbody>
</table>

HEALTH HAZARD INFORMATION

Health effects:

Acute

Ingestion: Product has low solubility. Ingesting small amounts is unlikely to cause any severe health risks. Large oral doses may cause gastrointestinal irritation.

Inhalation: Breathing dust/fumes may cause respiratory irritation and discomfort.

Skin & Eye contact: Dust may irritate the eyes and skin Acts as nuisance dust.

Chronic

Chronic Exposure: Prolonged exposure to dust may lead to pulmonary problems.

Products which contain crystalline silica may have a proportion become airborne as respirable dust when in the dry form. Repeated exposure to respirable crystalline silica may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Development of silicosis may increase the risk of later development of lung cancer. It may also lead to other diseases including heart disease and scleroderma...
**First Aid Measures:**

**Eye Contact:**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if irritation persists.

**Ingestion:**
Rinse mouth. Do not induce vomiting. Seek medical advice.

**Inhalation:**
Move to fresh air. If breathing has stopped, apply artificial respiration and seek medical attention.

**Skin contact:**
Wash off with soap and plenty of water.

**Advice to Doctor:**
Treat symptomatically.

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**PRECAUTIONS FOR USE**

**Exposure Standards**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance</th>
<th>NOHSC TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Silica, crystalline, Quartz</td>
<td>0.2mg/cubic metre</td>
</tr>
<tr>
<td>7440-48-4</td>
<td>Cobalt metal, dust and fume (as Co)</td>
<td>0.5mg/cubic metre (Sensitiser)</td>
</tr>
<tr>
<td>1314-62-1</td>
<td>Vanadium, respirable dust and fume (as V205)</td>
<td>0.5mg/cubic metre</td>
</tr>
<tr>
<td>7440-36-0</td>
<td>Antimony and Compounds (as Sb)</td>
<td>0.5mg/cubic metre</td>
</tr>
<tr>
<td>7440-31-5</td>
<td>Tin, Inorganic Compounds (as Sn)</td>
<td>2.0mg/cubic metre</td>
</tr>
</tbody>
</table>

Pigments are formed by high temperature calcination. Therefore, they do not necessarily have any of the properties of their component oxides or metals.

**Personal protection**

**VENTILATION:**
Use local exhaust ventilation to keep air contaminants below their TWAs

**PERSONAL PROTECTION:**
Safety glasses/goggles
Cotton work gloves
Apron or overalls
Face mask or respirator conforming to AS1715 for dust
SAFE HANDLING INFORMATION

Accidental release measures

Clean up/Disposal: For small spills or leaks, wash with plenty of water. For large spills pick up as much as possible and dispose of in closed containers, wash the remainder with plenty of water.

Personal Protection: Wear apron or overalls, rubber gloves, chemical goggles or safety glasses.

Handling and storage

Wear personal protective equipment. Wash thoroughly after handling. Keep lids on containers tightly closed. Store away from consumables.

FIRE/EXPLOSION HAZARD

Fire Fighting Measures

Product is not combustible
No limitations for fighting surrounding fire.

TRANSPORT INFORMATION

This product is not classified for transport as a dangerous good as defined in the ADG Code or the IMDG code.

The information contained in this Safety Data Sheet is correct to the best of our knowledge at the date of publication and whilst every care has been exercised in the preparation, Walker Ceramics accepts no responsibility for any use which may be made of the contents.