Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product, and must be read in conjunction with the safety data sheet attached.

Product Name: **Model Stones, Plasters and Die Materials**
Mounting Stone, Orthodontic Stone, Lean Rock Ivory, Quickstone, Snap Stone, Orthodontic Plaster, Mounting Plaster

Manufacturer: **Whip Mix Corporation**

Accompanying SDS: Whip Mix MSDS

Supplier Details: Henry Schein Shalfoon
23 William Pickering Drive, Albany
PO Box 101 140, North Shore, Auckland 0745
Ph. 0800 808 855
www.henryscheinshalfoon.co.nz

Emergency Contacts: Poisons & Hazardous Chemicals Information Centre – 0800 POISON / 0800 764 766 (24-hr)
Phone 111 for Fire, Ambulance or Police

Hazard Identification:

HSNO Classification: Not Applicable Non Hazardous
HSNO Group Standard: Not Applicable Non Hazardous
HSNO Approval Number: Not Applicable Non Hazardous
Hazard Statements: Not Applicable Non Hazardous

Date Prepared: This coversheet prepared 27th June 2013

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This SDS coversheet has been produced by Henry Schein Shalfoon and has been prepared in accordance NZ EPA advice on making overseas safety datasheets compliant with the HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. Users must satisfy themselves that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.
MATERIAL SAFETY DATA SHEET

1. Identification of the Substance/Preparation and of the Company/Undertaking.
   - Product Type: Model Stones, Plasters and Die Materials
   - Trade Names:
     - Bistone
     - Jade Stone
     - Flowstone Black
     - Prima-Rock
     - Mounting Stone
     - Super Die
     - Orthodontic Stone
     - Buffstone
     - Hard Rock
     - Lean Rock Ivory
     - Quickstone
     - Silky-Rock
     - CAD Stone
     - Die Stone, Ivory
     - Handi Mix
     - Microstone
     - RapidFlask
     - Snap Stone
     - Economy Stone
     - Flow Stone
     - Laboratory Plaster
     - Mounting Plaster
     - Resin Rock
     - SpinBase
     - SpinStone
   - Company: Whip Mix Corporation
     - 361 Farmington Avenue
     - Louisville, Kentucky, USA 40209
     - Emergency Telephone Number: (502) 634-1451
     - Fax Number: (502) 634-4512
     - Transportation CHEMTREC 1(800) 424-9300 (U.
* All sections apply to this product, in addition, the items identified by an * are related specifically to Orthodontic Stone and Orthodontic Plaster only.

2. Hazard Identification.
   These products used in dental labs should pose no potential adverse health effects.
   - Industrial Hygiene Air Monitoring over the past 5 years indicates no detectable respirable silica during the manufacturing process of stones, plasters or rocks.
   - Acute health effects involve transitory upper respiratory or eye irritation and existing upper respiratory and lung disease such as, but not limited to Bronchitis, Emphysema and Asthma. Lungs and eyes are target organs.
   - Chronic health effects from inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (group 1). Inhalation of crystalline silica is also a known cause of Silicosis, a non cancerous lung disease caused by excessive exposure to crystalline silica

3. Composition/Information on Ingredients.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
<th>EINECS</th>
<th>Symbols</th>
<th>Concentration, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaster of Paris</td>
<td>26499-65-0</td>
<td>None</td>
<td>None</td>
<td>95 – 100</td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>148-60-7</td>
<td>None</td>
<td>None</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-87-7</td>
<td>236-675-5</td>
<td>None</td>
<td>&lt; 3</td>
</tr>
</tbody>
</table>

4. First-Aid Measures.
   - For inhalation: Remove exposed person to fresh air, drink water to clear throat and blow nose to evacuate dust.
   - For eyes: Flush with large quantities of water. If irritation persists consult a physician.

5. Fire-Fighting Measures.
   - Nonflammable. Use whatever measure of extinction is appropriate for surrounding fire. Water may cause product to solidify.
   - Will decompose above 1450 °C to SO₂

   - Vacuum spilled material. Avoid creating dust. Wipe surfaces with wet cloth
   - Avoid washing down drains as material can plug drains
7. Handling and Storage.
- Minimize dusts generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Seal broken bags immediately. Continue to follow all MSDS Label warnings when handling empty containers.
- Insure proper respiratory protection

8. Exposure Controls/Personal
- Exposure Limits (as respirable dust). All values are mg/m³
  
<table>
<thead>
<tr>
<th></th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV, 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuisance Dust (Respirable)</td>
<td>5</td>
<td>Withdrawn</td>
</tr>
<tr>
<td>Crystalline Silica (Respirable)</td>
<td>0.1</td>
<td>0.025</td>
</tr>
</tbody>
</table>
- Personal protective equipment: None required during normal laboratory use.
- Engineering controls: Use local ventilation to keep employee exposure to respirable dust below 0.025 mg/m³.
- Respirator: Use respirator approved to NIOSH/MSHA half face with HEPA cartridges for exposures up to 10 times exposure limits.

- Solid, odorless powder, with variety of colors
  
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor pressure (mmHg)</td>
<td>Not Applicable</td>
<td>Vapor density (air = 1)</td>
</tr>
<tr>
<td>Melting Point °C</td>
<td>145°</td>
<td>Boiling Point °C</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
<td>Specific gravity/density</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>0.2%</td>
<td>Flash point °C</td>
</tr>
</tbody>
</table>
- No dangerous reactions are known to occur with proper handling and storage.

10. Stability and Reactivity.
- Basically stable, may solidify and generate heat if in contact with water. Will decompose above 1450 °C

11. Toxicological Information.
- Route of entry: Inhalation. Inhalation of excessive dust over a prolonged period may result in lung damage.
- Effects of acute exposure: None known.
- Carcinogenicity: The International Agency for Research on Cancer (IARC) reports inhaled crystalline silica is a Group 1 carcinogen to humans. NTP has listed crystalline silica as carcinogen.

12. Ecological Data.
- No ecotoxicological studies are available. Generally considered chemically inert in the environment. Not dangerous to water life.

- Waste is not hazardous as defined by RCRA (40CFR 261). Avoid washing down drains as material can plug drain.

14. Transport Information.
- No special transport requirements, non-dangerous goods

15. Regulatory Information.
- SARA III information: For purposes of SARA III reporting, these products contain no ingredients on the extremely hazardous CERCLA, or section 313 lists.
- SARA Extremely Hazardous Substances 40 CFR 370: Acute
- CERCLA: This product is not listed with CERCLA (40 CFR 117,302)

16. Other Information.
- HMIS Rating: Health 1 Flammability 0 Reactivity 0 Other 0
  
  | Hazard | 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum |

Prepared By: Donna Ringo, CIH  Translated By:  

Date: 8/4/2008 Date:  

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