MATERIAL SAFETY DATA SHEET

(Revision: 09/14/2006)

1. Identification of the Substance/Preparation and of the Company/Undertaking.

- Product Type: Model Stones, Plasters and Die Materials
- Trade Names:

Bitestone	**Buffstone**	**Die Stone, Ivory**
FlowStone	**Hard Rock**	**Handi Mix**
Jade Stone	**Laboratory Plaster**	**Microstone**
Mounting Plaster	**Mounting Stone**	**Prima-Rock**
Quickstone	**ResinRock**	**Silky-Rock**
Snap Stone	**SpinBase**	**SpinStone**
CAD Stone	**Economy Stone**	
FlowStone, Black	**Orthodontic Stone***	**Orthodontic Plaster***

- Company: **Whip Mix Corporation**
  361 Farmington Avenue
  Louisville, Kentucky, USA 40209
  Emergency Telephone Number: (502) 634-1451
  Fax Number: (502) 634-4512

** All sections apply to this product, in addition, the items identified by an * are related specifically to Orthodontic Stone and Orthodontic Plaster only.*

2. Composition/Information on Ingredients.

Substance	***CAS No.***	***Concentration, %***
Plaster of Paris	26499-65-0	95 – 100
Crystalline Silica	148-60-7	<1
Titanium dioxide *	13463-67-7	< 3

3. Hazard Identification.

- **This product contains Crystalline Silica (CS), which is considered a hazard by inhalation. IARC has classified inhalation of CS as carcinogenic for humans (Group 1). CS is listed by NTP as a known human carcinogen. Inhalation of CS is also a known cause of Silicosis, a non-cancerous lung disease.**
- Pre-existing upper respiratory and lung disease such as, but not limited to Bronchitis, Emphysema and Asthma. Lungs and eyes are target organs.
- Acute health effects involve transitory upper respiratory or eye irritation.
  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

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 ºC to SO_2

6. Accidental Release Measures.

- 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/m^3

	OSHA-PEL	ACGIH-TLV, 2006
Nuisance Dust (Respirable)	5	Withdrawn
Crystalline Silica (Respirable)	0.1	0.025

- 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/m^3.
- Respirator: Use respirator approved to NIOSH/MSHA half face with HEPA cartridges for exposures up to 10 times exposure limits.

9. Physical and Chemical Properties.

- Solid, odorless powder, with variety of colors

Vapor pressure (mmHg)	Not Applicable	Vapor density (air = 1)	Not Applicable
Melting Point ºC	145º	Boiling Point ºC	Not Applicable
pH	Not Applicable	Specific gravity/density	2.5 – 3.5
Solubility in water	0.2%	Flash point ºC	Not Applicable

- 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 ºC

11. Toxicological Information.

- Route of entry: Inhalation. Inhalation of excessive dust over a prolonged period can 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.

13. Disposal Considerations.

- ***** 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)
- * OSHA Hazardous Communication Standard (29 CFR 1910.1200: Contains material considered hazardous.

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, C.I.H.	Translated By:
Date: 9/14/2006	Date: