SAFETY DATA SHEETS

This SDS packet was issued with item:

071273705

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070475921 070478867 070752964 071164268 071273713 071273739 071273747 071273754 071273770 071273853 071273879 071273895 071273911 071273952 071273978 071274075 071274182 071274190 071274216 071274232 071274240 071274257 071274273 071274281 071274299 071274315 071274323 071274331 071274349 071274364 071274372 071274380 071274406 071274505 071274513 071274521 071274539 071274547 071274554 071274596 071274612 071358050 071598937 071642800 071658343 076675714 077259708 077259807 077259815 077276603 077276611 077276629 077277023 077277031 077277049 077277064 077277668 077277684 077277692 077277700 077277718 077277809 077277817 077277825 077277833 077277841 077277858 077277866 077277940 077277957 077277965 077277973 077278005 077278013 077278021 077278039 077278047 077283708 077283716 077283724 077283757 077283898 077283906 077283914 077285992 077286008 077286115 077286206 077286214 077286222 077287436 077287444 077287451 077287501 077287519 077287550 077287568 077287576 077287584 077287964 077288269 077291693 077291974 077291982 077291990 077293996 077294002 077294010 077294028 077294101 077294119 077294150 077294168 077294176 077297807 077299092 077299126 077299183 077299902 077299910 077299928 077309008 077309016 077309024 077309032 077309040 077309057 077309065 077309073 077312598 077312622 077312655 077312689 077313174 077313208 077313232 077313265 077314917 077314941 077314974 077315005 077315138 077315146 077315153 077315161 077315179 077315799 077315823 077324544 077325046 273015963

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

076320113 076320121 076320139 076320147 076320170 076320188 077259765

MATERIAL SAFETY DATA SHEET

(Revision: 07/01/2014)

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**
Jade Stone	**Hard Rock**	**Handi Mix**	**Laboratory Plaster**
FlowStone, Black	**Lean Rock Ivory**	**Microstone**	**Mounting Plaster**
Prima-Rock	**Quickstone**	**RapidFlask**	**ResinRock**
Mounting Stone	**Silky-Rock**	**Snap Stone**	**SpinBase**
Super Die	**CAD Stone**	**Economy Stone**	**SpinStone**
Ulti Rock			
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
  Transportation Emergencies: ***CHEMTREC 1(800) 424-9300 (U.S. and Canada)***
  International Calls: 1- 703-527-3887 (Collect calls accepted)

***** *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.

Substance	***CAS No.***	**EINECS**	**Symbols**	***Concentration, %***
Plaster of Paris	26499-65-0	None	None	95 – 100
Crystalline Silica	148-60-7	None	None	<1
Titanium dioxide	13463-67-7	236-675-5	None	< 3

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, 2014***
Nuisance Dust (Respirable)	5	Withdrawn
Crystalline Silica (Respirable)	0.05	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 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.

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
- ICAO/IATA-DGR: Not applicable

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.
- ICAO/IATA-DGR: Not applicable

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: 7/1/2014	Date:

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