

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

**071274281**

**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 071273705 071273713 071273739 071273747 071273754 071273770  
071273853 071273879 071273895 071273911 071273952 071273978 071274075 071274182 071274190 071274216  
071274232 071274240 071274257 071274273 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

ACTIO MSDS ID: 30948

**View Section :**   [1](#)   [2](#)   [3](#)   [4](#)   [5](#)   [6](#)   [7](#)   [8](#)   [9](#)   [10](#)   [11](#)   [12](#)   [13](#)   [14](#)   [15](#)   [16](#)**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

(N/A)

**Product Name:**      **Bitestone Buffstone Die Stone, Ivory FlowStone (See Trade Name)**

**Manufacturer Name:**      Whip Mix Corporation

**Address:**                  361 Farmington Avenue  
Louisville, Kentucky, 40209  
USA

Emergency Telephone Number: (502) 634-1451

Transportation Emergencies: CHEM-REC 1(800) 424-9300  
(U.S. and Canada) International Calls: 1-703-527-3887  
(Collect calls accepted)

**Product Description:**      Model Stones, Plasters and Die Materials

**Business Fax:**              (502) 634-4512

**Revision Date:**            6/13/2011  
Supersedes: 06/01/2011

**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  
Silky-Rock  
Spinbase  
Super Die  
CAD Stone  
SpinStone  
Ulti Rock  
Orthodontic Stone\*  
Orthodontic Plaster\*

**HMIS**

|            |   |
|------------|---|
| HEALTH     | 1 |
| FIRE       | 0 |
| REACTIVITY | 0 |
| PPE        |   |

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

HMIS Rating:  
Other: 0

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## SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

: (N/A)

| Ingredient Name                                                                     | CAS#       | Ingredient Percent       |
|-------------------------------------------------------------------------------------|------------|--------------------------|
| Plaster of Paris<br>EINECS: None<br>EC Index Number: 1<br>Hazard Symbols: None      | 26499-65-0 | Concentration: 95 - 100% |
| Crystalline Silica<br>EINECS: None<br>EC Index Number: 1<br>Hazard Symbols: None    | 148-60-7   | Concentration: < 1%      |
| Titanium dioxide<br>EINECS: 236-675-5<br>EC Index Number: 1<br>Hazard Symbols: None | 13463-67-7 | Concentration: < 3%      |

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## SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

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.

**Applies to All Ingredients :****Potential Health Effects:**

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:**

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

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## SECTION 4 : FIRST AID MEASURES

: (N/A)

**Eye Contact:**

Flush with large quantities of water. If irritation persists consult a physician.

**Inhalation:**

Remove exposed person to fresh air, drink water to clear throat and blow nose to evacuate dust.

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## SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)

**Fire:**

Nonflammable.

**Flash Point:**

deg C: Not Applicable

**Extinguishing Media:**

Use whatever measure of extinction is appropriate for surrounding fire. Water may cause product to solidify.

**Hazardous Decomposition  
Byproducts:**

Will decompose above 1450 deg C to SO2

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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

: (N/A)

**Spill Cleanup Measures:** Vacuum spilled material. Avoid creating dust. Wipe surfaces with wet cloth. Avoid washing down drains as material can plug drains

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**SECTION 7 : HANDLING and STORAGE**

: (N/A)

**Handling:** 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.

Ensure proper respiratory protection

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**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

: (N/A)

**Engineering Controls:** Use local ventilation to keep employee exposure to respirable dust below 0.025 mg/m3.

**Personal Protective Equipment** None required during normal laboratory use.

**Routine Handling:**

**Respiratory Protection:** Use respirator approved to NIOSH/MSHA half face with HEPA cartridges for exposures up to 10 times exposure limits.

**Exposure Limits:** Exposure Limits (as respirable dust).

All values are mg/m3

Nuisance Dust (Respirable)

OSHA: PEL

ACGIH-TLV, 2011: Withdrawn

Crystalline Silica (Respirable)

OSHA-PEL: 0.1

ACGIH-TLV, 2011: 0.025

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**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

: (N/A)

**Physical State/Appearance:** Solid, powder

**Color:** Variety of colors

**Odor:** Odorless

**pH:** Not Applicable

**Vapor Pressure:** (mmHg) Not Applicable

**Vapor Density:** (air = 1): Not Applicable

**Flash Point:** deg C: Not Applicable

**Boiling Point:** deg C: Not Applicable

**Melting Point:** 145 deg C

**Solubility:** In water 0.2%

**Specific Gravity:** 2.5 – 3.5

**Density:** 2.5 – 3.5

No dangerous reactions are known to occur with proper handling and storage.

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SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability: Basically stable, may solidify and generate heat if in contact with water.  
Hazardous Decomposition Products: Will decompose above 1450 deg C

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SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

**Applies to All Ingredients :**

Routes of Exposure: Inhalation. Inhalation of excessive dust over a prolonged period may result in lung damage.  
Acute Health Effects: None known.  
Chronic Effects: 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.

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SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

Ecological Paragraph: No ecotoxicological studies are available. Generally considered chemically inert in the environment. Not dangerous to water life.

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SECTION 13 : DISPOSAL CONSIDERATIONS

: (N/A)

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

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SECTION 14 : TRANSPORT INFORMATION

: (N/A)

IATA: Not applicable  
No special transport requirements, non-dangerous goods  
ICAO: Not applicable

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SECTION 15 : REGULATORY INFORMATION

: (N/A)

**Applies to all ingredients:**

Section 304: This product is not listed with CERCLA (40 CFR 117,302)  
Section 312 Hazard Category: SARA Extremely Hazardous Substances 40 CFR 370.  
Acute: Yes  
Section 313 Toxic Release Form: SARA III information: For purposes of SARA III reporting, these products contain no ingredients on the extremely hazardous CERCLA, or section 313 lists.  
OSHA 29 CFR 1200: OSHA Hazardous Communication Standard (29 CFR 1910.1200: Contains material considered hazardous.  
ICAO/IATA-DGR: Not applicable

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SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

## HMIS:

Health Hazard: 1  
Fire Hazard: 0  
Reactivity: 0  
MSDS Revision Date: 6/13/2011  
Supersedes: 06/01/2011  
MSDS Author: Prepared By: Donna Ringo, CIH  
HMIS Rating:  
Other: 0  
Hazard:  
4-Severe  
3-Serious  
2-Moderate  
1-Minimal  
0-Minimum  
CPL90533

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