

SAFETY DATA SHEETS

This SDS packet was issued with item:

077287451

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 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 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

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(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 EINECS: None EC Index Number: 1 Hazard Symbols: None	26499-65-0	Concentration: 95 - 100%
Crystalline Silica EINECS: None EC Index Number: 1 Hazard Symbols: None	148-60-7	Concentration: < 1%
Titanium dioxide EINECS: 236-675-5 EC Index Number: 1 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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