



SAFETY DATA SHEET

(Revision: 8/13/15)

1. Identification.

- **Product Type:** Pumice polishing medium
- **Trade Names:** Pumice (CL-35, CL-60, CL-85, CL-125, CL-225 and R-400-A)
- **Product Use:** Polishing Compound for Dental appliances.
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- **Company** Whip Mix Corporation
: 361 Farmington Avenue
Louisville, Kentucky, USA 40209
Emergency Telephone Number: (502) 637-1451
Fax Number: (502) 634-4512
Transportation CHEMTREC 1(800) 424-9300 (U.S. and Canada)
Emergencies: International Calls: 1- 703-527-3887 (Collect calls accepted)

2. Hazard Identification

OSHA Hazcom 2014 Classification:

Health Hazards	Physical Hazards
Carcinogen Category 1A	Not Hazardous

Labeling:

Danger!



May cause cancer if inhaled.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves and eye protection.

IF exposed or concerned: Get medical attention.

Store locked up.

Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS No.</u>	<u>%</u>
Pumice	1332-09-8	99 - 100
Crystalline Silica, Quartz	14808-60-7	<1

4. First-Aid Measures.

Inhalation: Remove exposed person to fresh air. If irritation or other symptoms persist, get medical attention.

Eyes: Flush with large quantities of water, holding the eyelids apart. If irritation persists consult a physician.

Skin: No first aid is generally required. Wash skin with soap and water.

Ingestion: May cause gastrointestinal discomfort. If swallowed, drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get medical attention if large amount is swallowed and symptoms develop.

Most important symptoms/effects, acute and delayed: May cause mechanical eye irritation. Inhalation of dust may

cause mucous membrane and respiratory irritation. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Risk of cancer depends on duration and level of exposure.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Immediate medical attention is not required.

5. Fire-Fighting Measures.

Suitable (and unsuitable) Extinguishing Media: Use media appropriate for surrounding fire.

Specific Hazards Arising From the Chemical: The product does not burn.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus.

6. Accidental Release Measures.

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing as described in Section 8.

Environmental Hazards: Report releases as required by local and national authorities.

Methods and Materials for Containment and Cleaning up: Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air.

7. Handling and Storage.

Precautions for Safe Handling: Avoid contact with eyes. Do not breathe dust. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Conditions for Safe Storage, including Any Incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible materials. Protect from physical damage.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

Pumice	5 mg/m ³ TWA (respirable fraction), 15 mf/m ³ TWA (total dust OSHA PEL)
Crystalline Silica Quartz	10 mg/m ³ TWA PEL (respirable fraction) % Silica + 2
	30 mg/m ³ TWA PEL (total dust) % Silica + 2
	0.025 mg/m ³ TWA TLV (respirable fraction)

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Respiratory protection: If the exposure limits are exceeded a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

Skin protection: For prolonged use or in dusty conditions, wear rubber gloves.

Eye protection: Chemical safety goggles if needed to avoid eye contact.

Other: Impervious clothing as needed to avoid contamination of personal clothing.

9. Physical and Chemical Properties.

Appearance: Gray to white granular powder.

Odor: Earth-like odor.

Odor threshold: Not applicable

Melting point/freezing point: Not applicable

Flash point: Not applicable

Flammability (solid, gas): Not applicable

Flammable limits: LEL: Not applicable

Vapor pressure: Not applicable

Relative density: 2.4

Partition coefficient: n-octanol/water: Not available

Decomposition temperature: Not available

pH: 8-10

Boiling point: Not applicable

Evaporation rate: Not applicable

UEL: Not applicable

Vapor density (air = 1): Not applicable

Solubility In Water: Insoluble

Auto-ignition temperature: Not applicable

Viscosity: Not applicable

Explosive Properties: Not applicable

Oxidizing Properties: Not applicable

10. Stability and Reactivity.

Reactivity: Not reactive.

Chemical stability: Stable

Possibility of hazardous reactions: Not expected to be reactive.

Conditions to avoid: Avoid contact with hydrofluoric acid.

Incompatible materials: Avoid strong acids, strong bases and hydrogen fluoride.

Hazardous decomposition products: Crystalline silica will dissolve in hydrofluoric acid and produce silicone tetrafluoride.

11. Toxicological Information.

Potential Health Effects:

Eyes: May cause mechanical eye irritation with redness and tearing.

Skin: Dust may cause mechanical irritation.

Ingestion: No adverse effects expected for normal, incidental ingestion.

Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

Chronic Health Effects: Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. Pumice is not listed as a carcinogen by OSHA, IARC or NTP.

Acute Toxicity Data:

Pumice: Oral rat LD50 6450 mg/kg

Crystalline Silica Quartz: Oral rat LD50 >22,500 mg/kg

12. Ecological Data.

Ecotoxicity:

Pumice: No data available

Crystalline Silica Quartz: 72 hr LC50 Carp - >10,000 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: Not required.

13. Disposal Considerations.

Dispose in accordance with all national and local regulations.

14. Transport Information.

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT		Not Regulated			
CANADIAN TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

Special precautions: Not applicable

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

15. Regulatory Information.

Safety, health, and environmental regulations specific for the product in question

US Regulations

SARA Section 313 (40 CFR 372): This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: Chronic Health

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity:

Crystalline Silica	14808-60-7	<1%	Cancer
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International Chemical Inventories

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

Canadian Environmental Protection Act: All of the components of this product are listed on the Domestic Substances List (DSL).

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

European Union: All the components in this product are listed on the EINECS inventory or exempt.

Korea: All of the components in this product are listed on the Korean Existing Chemicals List (KECL) or exempt.

New Zealand: All of the components in this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempt.

Philippines: All of the components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or exempt.

Taiwan: All of the components of this product are listed on the Taiwan National Existing Chemical Substance Inventory (NECSI)

United States Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA inventory

16. Other Information.

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

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Date: August 13, 2015	Date: