

## **SAFETY DATA SHEETS**

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

077296270

**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).**

077294887 077294945 077294978 077295033 077296254 077296288 077296403 077296411 077296429 077296437



# MATERIAL SAFETY DATA SHEET

(Revision: 07/01/2014)

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

- Product Type: Pumice polishing medium
- Trade Names: **Pumice (CL-35, CL-60, CL-85, CL-125, CL-225 and R-400-A)**
- Company: **Whip Mix Corporation**  
**361 Farmington Ave.**  
**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.

- As respirable material, less than 0.1% Crystalline Silica (Quartz) no respirable health hazard. In non-respirable bulk material maybe greater than 0.1% (Quartz).
- Inhalation: Inhalation of excessive dust over a prolonged period may result in lung damage.
- Skin and Eye Irritation: May cause dryness and/or irritation.

## 3. Composition/Information on Ingredients.

| Substance | CAS No.   | EINECS    | Concentration, % | R   | S   |
|-----------|-----------|-----------|------------------|-----|-----|
| Pumice    | 1332-09-8 | 238-878-4 | 100 %            | N/A | N/A |

## 4. First-Aid Measures.

- If in Eyes: Flush eyes with water for 15 minutes.
- If on Skin: Wash skin.
- Inhalation: Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air. If symptoms persist, see a physician promptly.

## 5. Fire-Fighting Measures.

- This material poses no fire or explosion hazard.

## 6. Accidental Release Measures.

- Avoid creating dust. Mist lightly with water, sweep up and transfer to a closed container, or vacuum with equipment fitted with an effective filter. Use appropriate personal protection when cleaning up a major spill.

## 7. Handling and Storage.

- Minimize dust generation at all times. Keep container closed when not in use.
- Precautions to be taken in Handling and Storage: Use techniques that minimize generating dust.
- Work/Hygienic Practices: Avoid vigorous shaking of bags. Clean clothes with vacuum hose, do not use compressed air.

## 8. Exposure Controls/Personal Protection.

| Exposure Limits: (As respirable dust) | <u>OSHA-PEL</u>                                 | <u>ACGIH TLV, 2014</u>  |
|---------------------------------------|-------------------------------------------------|-------------------------|
| Silica, amorphous                     | $\frac{80 \text{ mg/m}^3}{\% \text{SiO}_2}$     | Withdrawn               |
| Silica, crystalline                   | $\frac{10 \text{ mg/m}^3}{\% \text{SiO}_2 + 2}$ | 0.025 mg/m <sup>3</sup> |

- Use appropriate NIOSH approved respirator to avoid exposure above the recommended limits.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>9. Physical and Chemical Properties.</b> <ul style="list-style-type: none"> <li>• Appearance</li> <li>• Specific gravity (H<sub>2</sub>O=1)</li> <li>• Solubility in Water</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Gray--White granular powder<br>Approximately 2.4 (varies with fineness)<br>None |
| <b>10. Stability and Reactivity.</b> <ul style="list-style-type: none"> <li>• Basically stable with no special precautions.</li> <li>• Reacts with hydrofluoric acid</li> <li>• Soluble in HF</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                 |
| <b>11. Toxicological Information.</b> <ul style="list-style-type: none"> <li>• Inhalation: Not toxic. Irritation of the upper respiratory tract and lungs may result from accidental or chronic occupational exposure to the dust of this product. Dust may also cause lung damage when inhaled.</li> <li>• Ingestion: Not Toxic</li> <li>• Skin Contact: Not toxic. May cause dryness and/or irritation</li> <li>• Eye Contact: Not toxic. May cause irritation.</li> <li>• Carcinogenicity: NTP? Yes, crystalline silica (quartz) in respirable form is classified as a carcinogen.</li> <li>• IARC Monographs? Vol. 68 (1997),</li> <li>• OSHA Regulated? No. In Group 3. (Not classified as to carcinogenicity to humans.)</li> </ul> |                                                                                 |
| <b>12. Ecological Data.</b> <ul style="list-style-type: none"> <li>• Biodegradability: Not Applicable</li> <li>• Bioaccumulative: Not Applicable</li> <li>• Aquatic Toxicity: Not a toxic product</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                 |
| <b>13. Disposal Considerations.</b> <ul style="list-style-type: none"> <li>• Bury as a non-toxic waste in an approved landfill.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                 |
| <b>14. Transport Information.</b> <ul style="list-style-type: none"> <li>• Air Transport: Not considered hazardous material.</li> <li>• Sea Transport: Not considered hazardous material.</li> <li>• Inland Transport: Not considered hazardous material.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |
| <b>15. Regulatory Information.</b> <ul style="list-style-type: none"> <li>• For purposes of SARA III reporting, these products contain no ingredients on the extremely hazardous CERCLA, or section 313 lists.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                 |
| <b>16. Other Information.</b> <ul style="list-style-type: none"> <li>• HMIS Rating: Health=1; Flammability=0; Reactivity=0<br/>Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                 |
| Prepared By: Donna Ringo, CIH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Translated By:                                                                  |
| Date: 7/1/2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date:                                                                           |

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**SAFETY DATA SHEET**  
**Regulation (EC) No 1907/2006 (REACH)**

(Revision: 8/13/2015)

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

**1.1 Product Identifier**

**Product Type:** Pumice polishing medium

**Trade Names:** Pumice (CL-35, CL-60, CL-85, CL-125, CL-225 and R-400-A)

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Use:** Polishing Compound for Dental appliances.

**Uses Advised Against:** For professional use only.

**1.3 Details of the Supplier of the Substance or Mixture**

**Manufacturer:**

Whip Mix Corporation  
361 Farmington Avenue

Louisville, Kentucky, USA 40209

Emergency Telephone Number: (502) 637-1451

Fax Number: (502) 634-4512

**EU Importer**

Whip Mix Europe GmbH

Wißstrasse 26 – 28

D – 44137 Dortmund

Germany

+49 (0) 231 / 567 70 8-0

**1.4 Emergency Telephone Number**

**Transportation Emergencies:** CHEMTREC 1(800) 424-9300 (U.S. and Canada)

International Calls: 1- 703-527-3887 (Collect calls accepted)

**Other Product Information:** www.whipmix.com

**Section 2 Hazard Identification**

**2.1 Classification of the Mixture:**

**CLP/GHS Classification (1272/2008):**

|                |                  |                       |
|----------------|------------------|-----------------------|
| Health Hazards | Physical Hazards | Environmental Hazards |
| Not Hazardous  | Not Hazardous    | Not Hazardous         |

**2.2 Label Elements**

None required

**2.3 Other Hazards:** None

**Section 3 Composition/Information on Ingredients.**

| <u>Substance</u>              | <u>CAS No. /<br/>EC Number</u> | <u>%</u> | <u>CLP/GHS Classification<br/>(1272/2008)</u> |
|-------------------------------|--------------------------------|----------|-----------------------------------------------|
| Pumice                        | 1332-09-8 /<br>603-719-3       | 99 - 100 | Not hazardous                                 |
| Crystalline Silica,<br>Quartz | 14808-60-7 /<br>238-878-4      | <1       | STOT RE 1 H372                                |

See Section 16 for full text of GHS Classifications.

## Section 4 First-Aid Measures.

### 4.1 Description of 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.

**4.2 Most Important symptoms and effects, both acute and delayed:** May cause mechanical eye irritation. Inhalation of dust may cause mucous membrane and respiratory irritation.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is not required.

## Section 5 Fire-Fighting Measures.

**5.1 Extinguishing Media:** Use media appropriate for the surrounding fire.

**5.2 Special Hazards Arising from the Substance or Mixture:** The product does not burn.

**5.3 Advice for Fire-Fighters:** Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

## Section 6 Accidental Release Measures.

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

**6.2 Environmental Precautions:** Report releases as required by local and national authorities.

**6.3 Methods and Material 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.

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

## Section 7 Handling and Storage.

**7.1 Precautions for Safe Handling:** Avoid contact with eyes. Avoid breathing dust. Wear protective clothing and equipment as described in Section 8. Wash with soap and water after handling. Keep containers closed when not in use.

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

**7.3 Specific end use(s):**

**Industrial uses:** None identified

**Professional uses:** Polishing Compound for Dental appliances.

## Section 8 Exposure Controls/Personal Protection

### 8.1 Control Parameters:

|                           |                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pumice                    | 10 mg/m <sup>3</sup> TWA (inhalable dust) Belgium OEL<br>10 mg/m <sup>3</sup> TWA (inhalable dust) France OEL<br>10 mg/m <sup>3</sup> TWA, 20 STEL (inhalable dust) German AGS<br>10 mg/m <sup>3</sup> TWA (inhalable dust) Ireland OEL<br>10 mg/m <sup>3</sup> TWA Sweden OEL (as inhalable dust) |
| Crystalline Silica Quartz | 0.025 mg/m <sup>3</sup> TWA TLV (respirable fraction)<br>0.1 mg/m <sup>3</sup> TWA Belgium OEL                                                                                                                                                                                                     |

### 8.2 Exposure Controls:

**Recommended Monitoring Procedures:** None.

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

**Personal Protective Measurers**

**Respiratory protection:** None required under normal conditions of use. If the exposure limits are exceeded an 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 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:** Protective clothing as required to avoid prolonged skin contact.

**Section 9 Physical and Chemical Properties.****9.1 Information on basic 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:** Not applicable

**Partition coefficient: n-octanol/water:** Not available

**Decomposition temperature:** Not applicable

**Explosive Properties:** Not applicable

**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

**Oxidizing Properties:** Not applicable

**9.2 Other Information:** None available**Section 10 Stability and Reactivity.**

**10.1 Reactivity:** Not reactive.

**10.2 Chemical stability:** Stable.

**10.3 Possibility of hazardous reactions:** Not expected to be reactive.

**10.4 Conditions to avoid:** Avoid contact with hydrofluoric acid.

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

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

**Section 11 Toxicological Information.****11.1 Information on Toxicological Effects:****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 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, NTP or the EU CLP.

**Acute Toxicity Data:**

Pumice: Oral rat LD50 6450 mg/kg

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

## Section 12. Ecological Data.

### 12.1 Ecotoxicity:

Pumice: No data available

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

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

**12.3 Bioaccumulative potential:** No data available.

**12.4 Mobility in soil:** No data available.

**12.5 Results of PBT and vPvB assessment:** Not required.

**12.6 Other adverse effects:** None known.

## Section 13. Disposal Considerations.

**13.1 Waste Treatment Methods:** Dispose in accordance with all national and local regulations.

## Section 14. Transport Information.

|              | 14.1 UN Number | 14.2 UN Proper Shipping Name | 14.3 Hazard Class(s) | 14.4 Packing Group | 14.5 Environmental Hazards |
|--------------|----------------|------------------------------|----------------------|--------------------|----------------------------|
| US DOT       |                | Not Regulated                |                      |                    |                            |
| Canadian TDG |                | Not Regulated                |                      |                    |                            |
| EU ADR/RID   |                | Not Regulated                |                      |                    |                            |
| IMDG         |                | Not Regulated                |                      |                    |                            |
| IATA/ICAO    |                | Not Regulated                |                      |                    |                            |

**14.6 Special precautions for User:** Not applicable

**14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

## Section 15 Regulatory Information.

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

**Chemical Safety Assessment:** Not required.

#### 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.

**German WGK:** nwg

**16. Other Information.**

CLP/GHS Classification and H Phrases for Reference (See Section 3)

None

|                                     |                |
|-------------------------------------|----------------|
| Prepared By: <i>Denise A. Deeds</i> | Translated By: |
| Date: August 13, 2015               | Date:          |