



SAFETY DATA SHEET

(Revision: 01/10/2015)

1. Identification

- Product Type: Phosphate Investment Casting Liquid
- Trade Names: **Ceramigold Lilac Liquid**
PowerPlus Liquid
Special Liquid Concentrate Max
Formula 1 Liquid
Polyvest Liquid

FastFire Liquid
Old Style Special Liquid
Special Liquid Concentrate
Special Liquid Concentrate Plus
Ti21 Liquid

- 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.

OSHA Hazcom 2014 Classification: Not hazardous

Labeling: None required

3. Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS No.</u>	<u>%</u>
Amorphous Silica	7631-86-9	20-60%

The exact concentration is being withheld as a trade secret.

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: If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause mild eye irritation. Inhalation of mists may cause mucous membrane and upper respiratory tract irritation. Ingestion may cause gastrointestinal irritation and nausea.

Indication of Any Immediate Medical Attention and Special Treatment Needed: No immediate medical attention is required.

5. Fire-Fighting Measures.

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

Specific Hazards Arising From the Chemical: The product is not flammable or combustible.

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

6. Accidental Release Measures.

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing as described in Section 8. Wash hands after use. Avoid breathing vapors or mists.

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

Methods and Materials for Containment and Cleaning up: Collect with an inert material and place in appropriate container for disposal or reuse.

7. Handling and Storage.

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wear protective clothing as described in Section 8. Wash 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:

Amorphous Silica	80 mg/m ³ %SiO ₂
------------------	---

Appropriate engineering controls: Use adequate general or local exhaust ventilation to minimize exposures levels.

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, 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: Translucent or colored liquid

Odor: Odorless.

Odor threshold: Not available

Melting point/freezing point: 32°F / 0°C

Flash point: None

Flammability (solid, gas): Not applicable

Flammable limits: LEL: Not applicable

Vapor pressure: Same as water

Relative density: 1.24-1.25 @ 77°F

Partition coefficient: n-octanol/water: Not applicable

Decomposition temperature: Not available

pH: 8.4-8.8

Boiling point: 212°F / 100°C

Evaporation rate: Same as water

UEL: Not applicable

Vapor density (air = 1): Same as water

Solubility In Water: Dispersible

Auto-ignition temperature: Not available

Viscosity: Max 6.0 cps @ 77°F

10. Stability and Reactivity.

Reactivity: None known.

Chemical stability: Stable

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: Thermal decomposition may generate sulfur

11. Toxicological Information.

Eyes: May cause mild irritation with redness and tearing.

Skin: Prolonged skin contact may cause irritation with redness and drying of the skin.

Ingestion: Swallowing may cause gastrointestinal irritation and nausea.

Inhalation: Inhalation of mists may cause irritation to the nose, throat and upper respiratory tract.

Chronic Health Effects: None known.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC or NTP.

Acute Toxicity Data:

Amorphous Silica: Oral rat LD50 >5000 mg/kg, Inhalation rat LC0 >0.39 mg/L/4 hr, LD50, Dermal rabbit LD50 >2000 mg/kg

12. Ecological Data.

Ecotoxicity:

Amorphous Silica: 96 hr LC50 Danio rerio >10,000 mg/L, 24 hr EC50 daphnia magna >1000 mg/L, 72 hr EC50 Desmodemus subspicatus >10000 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances such as amorphous silica.

Bioaccumulative potential: The product is not expected to bioaccumulate.

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.

US DOT: Not Regulated

Canada TDG: 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: Not hazardous

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.

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

California: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: None

International Regulations

Canadian Workplace Hazardous Materials Information System (WHMIS): Not a controlled product.

Canadian Environmental Protection Act: None at this time.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

16. Other Information.

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

Prepared By:

Denise A. Deeds

Translated By:

Date: 1/10/2015

Date: