

## MATERIAL SAFETY DATA SHEET

### Section 1: Company Identification

**Product Name:** Li-Mineral Stain

**Product Uses:** Concrete sealer, stain. See technical data sheets

**Revision Date:** December 16, 2009

**Proven Performance Chemicals**

370 Commerce Boulevard, Bogart, Georgia 30622  
United States

**Emergency Phone Number:** 678-729-9333

Technical Information: 706-355-3217

Fax Number: 706-355-9199

### Section 2 : Chemical Properties

**Chemical Name:** Proprietary(a): Aqueous dispersion of lithium silicates, amorphous calcium aluminosilicates(b), polyalkylene glycols and other minor ingredients.

**Hazardous Components:** No data available(c).

Notes: (a) The specific product is not identified due to "Trade Secret" status. In emergency situations further information may be obtained by the on-duty physician calling the emergency information number listed. Reference 29 CFR 1910.1200 and/or 40 CFR 350. (b) The amorphous calcium aluminosilicate is a product obtained by the fusion of several inorganic substances mainly calcia, silica, and alumina with lesser amounts of boron oxide and magnesium oxide; the free oxides are not present and are fully combined in the fused silicate; exposure to this product may be covered by OSHA inert or nuisance dust limits of 15 mg/m<sup>3</sup> for total dust and 5 mg/m<sup>3</sup> f for respirable portion; the product may contain less than 1% crystalline calcium aluminosilicate; where required, the applicable CAS number is 65997-17-3 for "Glass Oxide." (c) Product does not contain crystalline silica.

### Section 3: Hazards

**Adverse Health Effects:** Alkaline, slight irritant for eye and skin.

**Physical and Chemical Hazards:**

Fire or explosion: Does not show any specific hazard of fire or explosion.

**Hazard Classification:** No particular hazard according to EC criteria.

## Section 4: First Aid

**Inhalation:** Not specifically concerned (aqueous liquid).

**Skin Contact:** Immediately wash skin with plenty of soap and water for at least 15 minutes. Remove soiled clothes and shoes and thoroughly clean before reuse.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention.

**Ingestion:** Consult a physician without delay.

## Section 5: Fire Fighting

**Extinguishing Media:**

Appropriate Water spray

Foam

Powder

Carbon dioxide

Unsuitable NONE

**Specific Hazards:** Aqueous alkaline liquid: does not show any particular risk in case of fire.

**Specific Intervention Methods:** Appropriate protective equipment must be worn in case of fire

## Section 6: Accidental Release Measures

**Personal Protective Equipment:**

Appropriate gloves

Protective glasses

Appropriate protection clothes

**Precautions to Protect Environment:** Prevent product from spreading in the environment

Do not discharge into sewer

**Cleaning Methods:**

Recovery: Vacuum bulk liquid or absorb it with inert sorbent. Keep the above product for future disposal.

Cleaning / Decontamination: Wash remaining material with plenty of water.

Elimination: Dispose in accordance with federal, state, and local regulations. Various options may be available.

## Section 7: Handling and Storage

### Handling:

Technical measures Does not require specific technical measures.

Safety procedures Respect general health and safety rules

### Storage:

Storage conditions Stable in normal storage conditions. Protect from freezing.

Incompatibilities Avoid strong oxidizers, strong acids, alkalis, reducing agents, strong bases.

Packaging materials

- recommended Coated steel, stainless steel; plastic materials (e.g. polyethylene).
- prohibited Uncoated steel. Aluminum and its alloys.

## Section 8: Exposure Controls and Personal Protection

**Technical Measures:** Does not necessitate specific or particular measures, provided general health and safety practices are observed.

### Individual Protection Equipment:

Hand and skin protection Appropriate clothes and gloves. Eye protection Safety glasses.

## Section 9: Physical and Chemical Properties

### Aspect:

Physical state

Color

Viscous liquid

Milky white

**Odor:** Slight

**pH:** 11-12

**Flash Point:** >100°C, closed cup.

**Boiling Point:** 100°C (water)

**Vapor Pressure:** 18 mm Hg @ 20°C (water)

**Crystallization Point:** -10°C

**Density:** 1.1-1.5 g/cm<sup>3</sup>

### Solubility:

In water

In solvents  
Miscible  
Immiscible

**Volatile Part by Weight:** 50-80% (water)

**Total VOCs [provisional]:** 0.13 lb/gal (paint); 0 lb/gal (stain)

## Section 10: Reactivity and Stability Data

**Stability:** Stable if appropriately used

### **Dangerous Reactions:**

Materials to avoid No dangerous reaction known under normal conditions of use. Avoid strong oxidizers, strong acids, alkalis, reducing agents, strong bases.

Hazardous decomposition products None to our knowledge.

## Section 11: Toxicological Information

**Acute Toxicity:** No data available.

**Local Effects:** No data available.

## Section 12: Ecological Information

**Mobility:** Target medium of material: Water.

**Degradability:** Poorly biodegradable.

**Ecotoxicity:** Impact on aquatic environment No data available. Ingredients are not considered to be marine pollutants.

## Section 13: Disposal Considerations

### **Product Residues:**

Prohibition: Do not discharge to sewer

Destruction / Elimination: Burn in an approved plant.

### **Spoiled Packaging:**

Decontamination: Washing empty packaging thoroughly and rinse with water before disposal.

Destruction / Elimination: Burn in an approved plant.

## Section 14: Transportation Information

**Ground Transportation:** ADR / RID Not regulated

**Sea Transportation:** OMI / IMDG Not regulated

**Air Transportation:** OACI / IATA Not regulated

## Section 15: Regulatory Information

### Labeling According to CE Directives:

Product identification Nil

Hazard identification and symbol Nil

Hazard nature Nil

Safety advise Nil

## Section 16: Other Information

### HMIS Rating:\*

Health: 1

Flammability: 0

Reactivity: 0

Protective equipment: C

\* 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme;

C=Safety Glasses, Gloves, Apron

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### MSDS Preparation Date

12/16/2009