MATERIAL SAFETY DATA SHEET

Section 1: Company Identification

Product Name: Li-IR Mineral Stain
Product Uses: Concrete sealer, paint-like 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/m3 for total dust and 5 mg/m3 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/cm3

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: Toxilogical 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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