MATERIAL SAFETY DATA SHEET

Section 1: Company Identification

Product Name: Li-THX
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/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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MSDS Preparation Date
12/16/2009