



Material Safety Data Sheet

Date Prepared October 1, 2012, revised June 04, 2013

Page 1 of 5

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Lythic Protector - Concrete Clear Conditioner

Distributor: Lythic Solutions, Inc.
PO Box 5028
Vancouver, WA 98668

Phone: 888-598-4421

Description: Physical Form: Liquid
Color: White, milky
Odor: Glycol ether

HMIS Codes:

Health Hazard	Fire Hazard	Physical Hazard
1	0	0

SECTION 2: MATERIAL COMPOSITION INFORMATION

			APPLICABLE EXPOSURE LIMITS		
Ingredient	%	CAS #	OSHA	ACGIH	OTHER
Acrylic Polymer	50 - 70	Proprietary	N/A	N/A	
Dipropylene Glycol Normal Butyl Ether	1 - 5	29911-28-2	Not Listed	Not Listed	
Colloidal LithioSilica	1 - 5	Not Specified	N/A	N/A	

SECTION 3: HEALTH HAZARDS

Product is not considered hazardous under normal conditions

Routes of Exposure: Eye Contact, Skin Contact, Ingestion, Inhalation

Exposure Standards: No exposure standards established for the product. Maintain contaminant concentrations in the workplace at the lowest feasible levels.

Potential Health Hazards:

Acute:

Eye: Contact with the liquid may cause irritation.

Skin: Prolonged or repeated contact with skin may cause irritation.

Inhalation: Mists may irritate nose, throat, and lungs, (burning, stinging, coughing). May cause head-ache, dizziness, nausea, weakness, shortness of breath.

Ingestion: Not expected to be toxic.

SECTION 4: FIRST AID MEASURES

Routes of Exposure: Eye Contact, Skin Contact, Ingestion, Inhalation

Eye Contact: In case of contact, flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: May cause irritation. Wash affected area with soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

Ingestion: Not expected to be toxic. Never give an unconscious person anything to ingest. If swallowed, immediately give two glasses of water, Seek Medical attention if ill effects develop.

Inhalation: May cause irritation. Remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation persists.

Notes to Physician: Treat according to person's condition and specifics of exposure.

SECTION 5: FIRE AND EXPLOSION DATA

Bulk product flash point: Non Flammable

Flammable limits in air by volume: LEL = N/A, VEL = N/A

Suitable Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Firefighting Procedures: Firefighters wear NIOSH approved self-contained breathing apparatus. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment Procedures: Stop the leak and absorb spill. Ventilate the space involved. Absorb with an inert material such as soil, clay, or commercially available absorbent and shovel into an appropriate waste disposal container. Use recommended personal protective clothing and equipment.

Methods for Cleanup and Disposal: Do not allow material to run off work area, excess material should be absorbed or vacuumed and disposed of in accordance with regulations. Dispose of material in accordance with federal, state, and local guidelines. Place spilled material in an appropriate container for disposal.

THIS PRODUCT WHEN SPILLED OR DISPOSED OF IS A NON-HAZARDOUS WASTE AS DEFINED IN RCRA REGULATION (40CFR 261).

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with skin or eyes. Avoid breathing vapor, mist, dust, or fumes. Use with adequate ventilation. Do not Swallow.

Storage: Keep in cool, dry, ventilated storage. Keep containers tightly closed when not in use. Product may freeze if stored below 32°F. Product damage may occur if frozen.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Avoid breathing mist. Keep from freezing. Adhere to work practice rules established by government regulations (e.g. OSHA).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below PEL's and TLV's in Section 2.

Respiratory Protection: Use NIOSH-approved organic vapor respirator when exposure levels can't be kept below limits.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.

Protective Gloves: When necessary, use impermeable gloves to prevent skin contact.

Eye Protection: Wear eye protection designed to protect the eyes from liquid splash or mists. Note: contact lenses may contribute to the severity of an eye injury and should not be worn when working around chemicals.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Eye washes and safety showers are recommended in the work place. Wash hands after using, before eating, drinking, or using tobacco products. Periodically monitor exposure levels to hazardous ingredients listed in Section II and review permissible limits.

SECTION 9: PHYSICAL AND CHEMICAL CHARACTERISTICS

Form: Liquid	Boiling Point: >93°C
Color: Milky White	Freezing Point: 0°C
Odor: Glycol Ether	Water Solubility: Soluble
Vapor Density: not determined	VOC Content: (concentrated form)
Specific Gravity: 1.01 - 1.04	Maximum VOC inclusive of water and exempt content: 46 g/l
pH: 9.5-11.0	Maximum VOC exclusive of water and exempt content: 122 g/l

SECTION 10: STABILITY/REACTIVITY

Stability: Stable under normal conditions

Incompatibilities (Materials to avoid): Strong oxidizing agents, acids

Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide
(from burning, heating or reaction
with other materials)

Conditions to avoid: High Temperature

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Not Established

SECTION 12: ECOLOGICAL INFORMATION

Not Applicable

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal : Dispose of container and unused contents in accordance with federal, state, and local requirements.

THIS PRODUCT WHEN SPILLED OR DISPOSED OF IS A NON-HAZARDOUS WASTE AS DEFINED IN RCRA REGULATION (40CFR 261).

SECTION 14: TRANSPORT INFORMATION

DOT / IATA: Not dangerous goods. Not regulated

SECTION 15: REGULATORY INFORMATION

Do not mix this product with other materials unless advised by the supplier.

US FEDERAL REGULATIONS

TOXIC SUBSTANCES CONTROL ACT (TSCA): The components of this product are included on the inventory list.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA): Product concentrate does not meet the definition of a hazardous waste as defined under 40CFR 261. It is possible that in use, the mix may be contaminated by metals or by chlorinated solvents and the final waste may meet the TCLP definition. Each facility should assess each waste stream to determine if the used fluid should be treated as a hazardous waste.

SECTION 15: REGULATORY INFORMATION (continued)

US FEDERAL REGULATIONS (cont.)

SUPERFUND AMENDMENTS and REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

Section 301 – 304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355. Components present in this product at a level which could require reporting under this statute:

None Present or none present in reportable quantities

Sections 311 – 312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

Acute Health Hazard

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at level which could require reporting under the statute are:

None

STATE REGULATIONS

California

PROPOSITION 65 CALIFORNIA: This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: OTHER INFORMATION

Disclaimer: The facts and recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made as we cannot cover every possible application for our products, nor anticipate variations encountered in manufacturing equipment and methods. Products discussed are sold without warranty, express or implied and on the condition that purchasers shall make their own determination as to the suitability of such products for their particular purposes. Seller shall not be liable for any injury, loss, or damage, direct or consequential arising from the use or inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patents.