

MATERIAL SAFETY DATA SHEET

Date Prepared December 15, 2004, Revised 08/17/2009

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

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SECTION I: PRODUCT IDENTIFICATION

Identify: Lythic™ XL Densifier - Concrete Hardener
Amorphous Silicon Dioxide, Colloidal Silica Dispersion

Distributor: Lythic Solutions, Inc.
3012 NE Minnehaha Street
Vancouver, WA 98663

Phone: (360) 694-5347

Emergency: CHEMTREC 800-424-9300

HMIS Codes:

Health Hazard	Fire Hazard	Reactivity	Personal Protection
1	0	0	B

SECTION II: MATERIAL COMPOSITION INFORMATION

Ingredient	CAS #	OSHA	TWA Exposure Limits, PPM		Canada
			ACGIH		
*Silica, Amorphous, Precipitated	112926-00-8	80a	10b		5, 2c

Comments: a: OSHA - 80 mg/M³ / % SiO₂.

b: The value is for total dust containing no asbestos and < 1% crystalline silica.

c: The first value is for total mass, the second value is for respirable mass.

d: OSHA - The first value is for total dust, the second value is for the respirable fraction.

e: ACGIH - The value is for inhalation (total) dust/ particulate.

*: Nuisance Particulate

SECTION III: HAZARD IDENTIFICATION

Permissible exposure limit: None established for this product.

OSHA exposure limit: None established for this product.

Primary routes of entry: Ingestion, Inhalation, eye contact.

Effects of overexposure: **Ingestion:** No Known Effects, consult a physician
Inhalation: May cause irritation of upper respiratory tract.
Eye Contact: May cause irritation.

This Product does not contain any substance listed as a carcinogen by NTP, IARC, or OSHA.

SECTION IV: FIRST AID MEASURES

Routes of Entry: Ingestion, Inhalation, Eye, or Skin contact.

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.

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.

SECTION V: FIRE FIGHTING MEASURES

Flash Point: Will not flash **Unusual fire and explosion hazards:** None
LEL: Not applicable **Special fire fighting procedures:** None
UEL: Not applicable
Flammability class: Not applicable
Extinguishing media: Not applicable
Special Fire Fighting Procedures: None

SECTION VI: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Spill - Absorb with an inert material and place in an appropriate waste disposal container.

Waste Disposal Method: Sanitary landfill or sewer. Observe all environmental regulations, Federal, State, and Local regulations.

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

SECTION VII: HANDLING AND STORAGE

General Handling:

Avoid breathing vapor, aerosol and mist.

Do not swallow.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

FOR INDUSTRIAL USE ONLY

Ventilation:

General mechanical room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

Local ventilation is needed in the presence of airborne mists.

Storage:

Product may freeze if stored below 32°F. Product damage will occur if frozen.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use adequate ventilation to keep airborne concentrations below the exposure standard.

Respiratory Protection: Use respirator in heavy mist locations.

Other Personal Protection: Use as desired.

SECTION IX: PHYSICAL AND CHEMICAL CHARACTERISTICS

Volatile Component	Water	Freeze Point	32°F
Boiling Point	212° F	pH	8.5-9
Evaporation Rate	Same as Water	Odor	Mild
Vapor Pressure	Same as Water	Appearance	Milky Fluid
Vapor Density	Unavailable	Specific Gravity	1.2
V.O.C.	None	Weight per Gallon	10 lbs
Solubility in Water	Infinite		

SECTION X: STABILITY/REACTIVITY

Stability: Stable

Incompatibility: Acidic, Cationic, and salt materials may gel the product.

Conditions to avoid: Do not mix with other material unless advised by supplier. Freezing conditions will damage product.

Hazardous decomposition products: None.

SECTION XI: TOXICOLOGICAL INFORMATION

NOT ESTABLISHED

SECTION XII: ECOLOGICAL INFORMATION

NOT APPLICABLE

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable Federal, State, and local requirements.

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SECTION XIV: TRANSPORT INFORMATION

NOT REGULATED

SECTION XV: REGULATORY INFORMATION

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

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 XVI: OTHER INFORMATION

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.
