



Material Safety Data Sheet

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: Lythic DAY1

Manufacturer: Lythic Solutions, Inc.
PO Box 822469
Vancouver, WA 98682

Phone: 888-598-4421

Description: Lythic DAY1 is a colloidal silica based treatment recommended for concrete surfaces. Typically applied, DAY1 will lubricate the slab surface, increasing the efficiency of trowels, and extending the workability time for the final trowel.

Physical Form: Liquid
Color: Milky White
Odor: Slight

HMIS Codes:

Health Hazard	Fire Hazard	Physical Hazard
1	0	0

SECTION 2: MATERIAL COMPOSITION INFORMATION

Ingredient	CAS	% by wt.
Proprietary Ingredient	Not Specified	10 - 20%
Proprietary Ingredient	Not Established	2 - 5%

SECTION 3: HEALTH HAZARDS

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.

SECTION 3: HEALTH HAZARDS (CONTINUED)

Potential Health Hazards:

Acute:

Eye: Direct contact may cause moderate irritation.

Skin: May cause mild irritation.

Inhalation: Vapor and/or mist may irritate nose and throat.

Oral: Low ingestion hazard in normal use.

Prolonged:

Eye: Direct contact may cause moderate irritation.

Inhalation: May cause irritation of upper respiratory tract.

Ingestion: No known effects, consult a physician.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

Carcinogens: This product contains no carcinogens in concentrations of 0.1 percent or greater as defined by OSHA, ACGIH, IARC, or other body.

SECTION 4: FIRST AID MEASURES

Eye Contact: Hold eyelids apart and immediately flush eyes with lukewarm water for at least 15 minutes. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Call a physician 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. Give large quantities of water. Seek medical attention if irritation persists.

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. Provide oxygen if breathing is difficult. Seek medical attention.

Oral: If irritation or discomfort occurs, seek medical advice.

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

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point: Will not flash

Flammability class: Not applicable

Flammability Limits in Air: Not determined.

Suitable Extinguishing Media: Not applicable

Special Firefighting Procedures: None

Unusual Fire Hazards: None

SECTION 6: 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 7: HANDLING AND STORAGE

Handling: Avoid contact with skin or eyes. Avoid breathing vapor, mist, dust, or fumes. Use with adequate ventilation.

Storage: Keep in cool, dry, ventilated storage. Keep containers tightly closed when not in use.

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

Exposure Limits / Occupational: This product contains amorphous, colloidal silica. Should this product become dry or misted so that inhalation of the product is possible, standard hygiene practices should be utilized to ensure that exposure to respirable particles is within the regulated limits.

Ingredient(s)	Time Weighted Average (TWA)	ppm	Mg/m ³	Non-Standard Unit
Colloidal Silica, amorphous	Z3			20 mp/ft ³
	Z3		0.8	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

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

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

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: Avoid skin contact by selecting appropriate gloves.

Eye Protection: Wear chemical safety glasses as a minimum.

Skin Protection: If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water.

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

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

SECTION 9: PHYSICAL AND CHEMICAL CHARACTERISTICS

Form: Liquid	pH: 9.2 - 10.5
Color: White	Boiling Point: 100°C
Odor: Slight to none	Freezing Point: 0°C
Vapor Pressure: same as water	Water Solubility: infinite
Vapor Density: not determined	VOC Content: 0 g/l
Specific Gravity: 1.03 - 1.12	

SECTION 10: STABILITY/REACTIVITY

Stability:	Stable under normal conditions
Incompatibilities (Materials to avoid):	Acidic, Cationic, and salt materials may gel the product.
Hazardous Decomposition Products: (from burning, heating or reaction with other materials)	None
Conditions to avoid:	Do not mix with other material unless advised by supplier. Freezing conditions will damage product

SECTION 11: TOXICOLOGICAL INFORMATION

Not Established / Not Available

SECTION 12: ECOLOGICAL INFORMATION

Not Established / Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

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

Special Precautions: None

RCRA: Non-hazardous

SECTION 14: TRANSPORT INFORMATION

DOT / IATA: Not dangerous goods. Not regulated

SECTION 15: REGULATORY INFORMATION

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

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.

None Present or none present in reportable quantities

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

California Proposition 65:

This product is not expected to contain any listed substances.

Michigan Critical Materials:

This product is not expected to contain any listed substances.

State's Right to Know:

This product contains the following substances:

Colloidal Silica

7631-86-9

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.