



Material Safety Data Sheet

Date Prepared July 7, 2010, Revised September 15, 2010

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: Lythic SPD Protector, Part A

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

Phone 888-598-4421

HMIS Codes:

Health Hazard	Fire Hazard	Physical Hazard
1	1	0

SECTION 2: MATERIAL COMPOSITION INFORMATION

Ingredient	CAS #	APPLICABLE EXPOSURE LIMITS		
		OSHA	ACGIH	OTHER
Epichlorohydrin and Bisphenol A	25085-99-8	None established	None established	N/A
Silica, amorphous, precipitated	7631-86-9	80mg/M ³ / %SiO ₂	10ppm <1% crystalline silica	N/A

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.

Health Hazards: Mild transient eye irritation. No corneal injury likely. May cause allergic skin reaction in susceptible individuals. Prolonged exposure not likely to cause significant irritation. Repeated exposure may cause skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

Medical Conditions Generally Aggravated by Exposure: None known

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 plenty of water for at least 15 minutes.

Skin Contact: Wash affected area with soap and water. Wash clothing before reuse.

Ingestion: Low in toxicity.

Inhalation: Move victim to fresh air if effect occurs

General: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to the reactions of the patient.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT (method)	FLAMMABILITY LIMITS	LEL	UEL
252°C (485°F) (Pensky-Martin Closed Cup)	N/A	N/A	N/A

Suitable Extinguishing Media: Ignition will give rise to a class B fire. In case of large fire use water spray, alcohol foam. In case of small fire use carbon dioxide (CO₂), dry chemical.

Special Firefighting Procedures: Firefighters should wear self contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment Procedures: (Removal of ignition sources, diking etc.) Stop the leak if possible. Ventilate the space involved. Shut off or remove all ignition sources. Construct a dike to prevent spreading (includes molten liquids until they freeze).

Methods for Cleanup: If recovery is not feasible, admix with dry soil, sand or nonreactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Place in metal containers for recovery or disposal. Flush area with water spray. Clean-up personnel must be equipped with self contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with skin or eyes. When handling, do not eat, drink, or smoke.

Storage: Keep in cool, dry, ventilated storage and in closed containers. Do not store in reactive metal containers. Keep from freezing.

Technical Measures / Precautions: Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations (e.g. OSHA).



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection: PVC disposable gloves. Impervious gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.

Eye Protection: Chemical resistant goggles must be worn.

Respiratory Protection: Not required under normal conditions in a well-ventilated workplace. An organic vapor respirator NIOSHA approved for organic vapors is recommended under emergency conditions.

Skin and Body Protection: No specific recommendations.

SECTION 9: PHYSICAL AND CHEMICAL CHARACTERISTICS

Form: Liquid

Color: White to yellow, semi-solid

Odor: Slight

Vapor Pressure: Not applicable

Vapor Density: Not applicable

pH: Not Applicable

Boiling Point: >100°C (>212°F)

Water Solubility: None

Specific Gravity: 1.16

SECTION 10: STABILITY/REACTIVITY

Stability: Stable under normal conditions

Incompatibilities (Materials to avoid): Mineral acids (i.e. sulfuric, phosphoric, etc.)
Alkalis (i.e. Sodium or Potassium Hydroxide, etc.)
organic acids (i.e. acetic acid, citric acid, etc.)
oxidizing agents (i.e. perchlorate, nitrate, etc.)
Sodium or Calcium Hypochlorite
Product slowly corrodes copper, aluminum, zinc and galvanized surfaces
Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.
A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating a hazard due to splashing or splattering of hot material.

Hazardous Decomposition Products: (from burning, heating or reaction with other materials) Nitrogen oxide can react with water vapors to form corrosive nitric acid (TLV=2ppm).
Carbon monoxide
Carbon dioxide
Nitrogen Oxides & Nitric acid in a fire.
Ammonia when heated.
Irritating and toxic fumes at elevated temperatures.
The oxides of nitrogen gases (except nitrous oxide) emitted on decomposition are highly toxic.



SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity (LD50, rat): No data

Acute Dermal Toxicity (LD50, rabbit): No data

Acute Inhalation Toxicity (LC50, rat): No data

Chronic / Sub-chronic Data: Except for skin sensitization, repeated exposures to low molecular weight resins of the type are not anticipated to cause any significant adverse effects.

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.

SECTION 14: TRANSPORT INFORMATION

DOT / IATA: Not dangerous goods. Not regulated

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

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

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA): Components present in this product at level which could require reporting under the statute are: NONE

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 are: NONE

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

EPA Hazard Classifications

Acute: No Chronic Fire: No Pressure: No Reactive: No

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

PROPOSITION 65 CALIFORNIA: This product does not contain any substances known to the State of California to cause cancer and/or reproductive toxicity.



REGULATORY INFORMATION (CONTINUED)

INTERNATIONAL REGULATIONS:

CANADA	DSL:	Included on Inventory
	WHMIS Hazard Classification:	NONE
	WHMIS Trade Secret Registry Number:	NONE
	WHMIS Symbols:	NONE
EUROPEAN ECONOMIC COMMUNITY (EEC)		
	EINECS / ELINCS Master Inventory:	Included on Inventory
	EEC Risk (R) Phrases:	There are no known health hazards

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.