

# MATERIAL SAFETY DATA SHEET

## LF Coating

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### SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**TRADE NAME:** L F Coating – Part A  
**CHEMICAL NAME:** Liquid Epoxy Formulation  
**FORMULA:** N/A  
**CAS #:** Mixture  
**DOT CLASS:** Not Regulated  
**HMS:** H-2, F-1, R-0

**DISTRIBUTOR'S NAME:** SUPERIOR EPOXIES & COATINGS, INC.  
**ADDRESS:** 2527 Lantrac Court  
Decatur, GA 30035

**NON-EMERGENCY PRODUCT INFO:** 1-800-543-3516  
**EMERGENCY PHONE:** 1-800-424-9300 (CHEMTREC, 24 Hours)

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### SECTION II – FIRST AID MEASURES

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**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes holding lids apart. Call a physician.  
**SKIN:** Wash thoroughly with soap and water. If irritation develops and persists, see a physician. Wash clothes before reuse.  
**INHALATION:** Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician!  
**INGESTION:** May cause gastrointestinal distress, irritation ulceration. Drink large quantities of water. Consult a physician.

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### SECTION III – HAZARDS INFORMATION

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#### FIRE AND EXPLOSION

**Flash Point:** 490° F  
**Auto Ignition Temperature:** N/A  
**Flammable Limits:** Lower – 1.0 Upper – 7.0  
**Unusual Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

#### HEALTH

**Oral LD 50:** (RATS) >10,000 mg/kg  
**Idermal LD 50:** (RABBITS) >6000 mg/kg  
**Skin:** Prolonged and repeated contact may cause irritation and result in sensitization and allergic reaction.  
**Eyes:** May cause slight irritation, redness and tearing.  
**Unusual Chronic Toxicity:** None Known.  
**Permissible Concentration (AIR):** TWA/TVL 100 ppm: STEL/TLV 150 ppm.

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### SECTION IV – PRECAUTIONS/PROCEDURES

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**VENTILATION:** Good mechanical ventilation and local exhaust.  
**NORMAL HANDLING:** Do not get in eyes, on skin or clothing. Do not breathe vapors. Keep containers closed. Use with adequate ventilation. Wash thoroughly after handling.  
**STORAGE:** Store in a cool, dry area away from heat, strong oxidizers. Protect from damage.  
**SPILL OR LEAK:** Absorb spill on sand, earth or vermiculite. Carefully collect into closed containers for disposal according to federal, state or local regulations.  
**FIRE EXTINGUISHING PRECAUTIONS:** Wear full protective gear and NIOSH/MSHA approved self-contained breathing apparatus.  
**FIRE EXTINGUISHING AGENTS TO AVOID:** Solid stream of water or foam may cause frothing, splattering and spread hazard.  
**SPECIAL PRECAUTIONS/PROCEDURES:** Cool containers exposed to flame with water spray.

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### SECTION V – PERSONAL PROTECTIVE EQUIPMENT

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**RESPIRATORY EQUIPMENT:** Organic chemical cartridge respirator, if needed.  
**EYES:** Chemical splash-proof goggles.  
**HANDS, ARMS AND BODY:** Rubber or polyethylene gloves and full body covering clothing.  
**OTHER CLOTHING AND EQUIPMENT:** Eye wash fountain and safety shower.

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#### SECTION VI – PHYSICAL DATA

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**DESCRIPTION:** Liquid Epoxy Coating  
**BOILING POINT:** > 200° C  
**VAPOR DENSITY:** N/A  
**SOLUBILITY IN WATER:** None  
**EVAPORATION RATE:** > 1  
**SPECIFIC GRAVITY:** 1.17  
**VAPOR PRESSURE:** .03 mm HG at 77° C  
**PH:** N/A  
**% VOLATILES (by weight):** < 6%

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#### SECTION VII – REACTIVITY DATA

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**STABILITY:** Stable  
**INCOMPATIBLE MATERIALS:** Strong oxidizers, acids and epoxy curing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, NO<sub>x</sub> as a result of thermal decomposition.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

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#### SECTION VIII – HAZARDOUS INGREDIENTS (MIXTURES)

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INGREDIENTS	PERCENTAGE	CAS #	TLV
Bisphenol a-Epoxy	> 35%	25068-38-6	NE
Dipentene	> 6%	138-86-3	NE
Alpha Terpineol	> 6%	98-55-5	NE
TIO <sub>2</sub>	> 4%	13463-67-7	10 mg/m <sup>3</sup>
Silica	> 29%	14808-60-7	0.1mg/m Barium
Sulfate	> 25%	7727-43-7	5 mg/m <sup>9</sup>

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#### SECTION IX – ENVIRONMENTAL

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**BIODEGRADABILITY:** Not Known.

**WASTE DISPOSAL METHODS:** Dispose of as hazardous waste in approved waste disposal facilities in accordance with federal, state and local regulations.

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#### SECTION X – REFERENCES

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**PERMISSIBLE CONCENTRATION REFERENCES:** ACGIHTWA, TLV, and STEL  
**REGULATORY STANDARDS:** Title 49 CFR Section 173, 118, 172.101  
**GENERAL:** NIOSH guide to chemicals.

Dangerous Properties of Industrial Chemicals, SAX, 6<sup>th</sup> ED.

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#### SECTION XI – ADDITIONAL INFORMATION

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**EMPTY CONTAINER HANDLING! WARNING!** Emptied container retains product residue and vapors. Observe all label precautions even after container is emptied. Do not cut, drill, grind, or weld on or near container.

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#### SECTION XII – DISCLAIMER

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The information contained herein relates only to the specific material identified. The information is believed to be accurate and

reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Individuals receiving this information should make their own determination as to the information's suitability and completeness for their particular application.

## **MATERIAL SAFETY DATA SHEET**

### **LF Coating**

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#### **SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**TRADE NAME:** L F Coating – Part B  
**CHEMICAL NAME:** Cycloaliphatic Amine  
**FORMULA:** Complex Polymer  
**CAS #:** N/A  
**DOT CLASS:** Corrosive  
**HMS:** H-3, F-1, R-0

**DISTRIBUTOR'S NAME:** SUPERIOR EPOXIES & COATINGS, INC.  
**ADDRESS:** 2527 Lantrac Court  
Decatur, GA 30035

**NON-EMERGENCY PRODUCT INFO:** 1-800-543-3516  
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#### **SECTION II – FIRST AID MEASURES**

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**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes holding lids apart. Call a physician.  
**SKIN:** Wash thoroughly with soap and water. If irritation develops and persists, see a physician. Wash clothes before reuse.  
**INHALATION:** Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician!  
**INGESTION:** May cause gastrointestinal distress, irritation ulceration. Drink large quantities of water. Consult a physician.

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#### **SECTION III – HAZARDS INFORMATION**

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##### **FIRE AND EXPLOSION**

**Flash Point:** > 200° F  
**Auto Ignition Temperature:** N/A  
**Flammable Limits:** Lower – N/A Upper – N/A  
**Unusual Fire and Explosion Hazards:** Delayed lung damage (Pulmonary Edema) can be experienced after exposure to combustion products.

##### **HEALTH**

**Inhalation:** Vapors may irritate nose and upper respiratory tract.  
**Ingestion:** May cause severe and permanent damage to mouth, throat and stomach. May cause CNS depression.  
**Skin:** Prolonged and repeated contact may cause irritation and result in sensitization and allergic reaction.  
**Eyes:** Vapor may cause irritation, redness and tearing. Liquid may cause severe irritation with possible irreversible injury.  
**Unusual Chronic Toxicity:** None Known.  
**Permissible Concentration (AIR):** Not established.

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#### **SECTION IV – PRECAUTIONS/PROCEDURES**

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**VENTILATION:** Good mechanical ventilation and local exhaust.  
**NORMAL HANDLING:** Do not get in eyes, on skin or clothing. Do not breathe vapors. Keep containers closed. Use with adequate ventilation. Wash thoroughly after handling.  
**STORAGE:** Store in a cool, dry area away from heat, strong oxidizers. Protect from damage.  
**SPILL OR LEAK:** Absorb spill on sand, earth or vermiculite. Carefully collect into closed containers for disposal according to

federal, state or local regulations.

**FIRE EXTINGUISHING PRECAUTIONS:** Wear full protective gear and NIOSH/MSHA approved self-contained breathing apparatus.

**FIRE EXTINGUISHING AGENTS TO AVOID:** Solid stream of water or foam may cause frothing, splattering and spread hazard.

**SPECIAL PRECAUTIONS/PROCEDURES:** Cool containers exposed to flame with water spray.

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### SECTION V – PERSONAL PROTECTIVE EQUIPMENT

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**RESPIRATORY EQUIPMENT:** Organic chemical cartridge respirator, if needed.  
**EYES:** Chemical splash-proof goggles.  
**HANDS, ARMS AND BODY:** Rubber or polyethylene gloves and full body covering clothing.  
**OTHER CLOTHING AND EQUIPMENT:** Eye wash fountain and safety shower.

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### SECTION VI – PHYSICAL DATA

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**DESCRIPTION:** Amber liquid with Amine Odor.  
**BOILING POINT:** > 400° F  
**VAPOR DENSITY:** N/A  
**SOLUBILITY IN WATER:** Soluble  
**EVAPORATION RATE:** < 1  
**SPECIFIC GRAVITY:** N/A  
**VAPOR PRESSURE:** N/A  
**PH:** N/A

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### SECTION VII – REACTIVITY DATA

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**STABILITY:** Stable  
**INCOMPATIBLE MATERIALS:** Strong oxidizers, acids and epoxy resins.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, NO<sub>x</sub> as a result of thermal decomposition.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

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### SECTION VIII – HAZARDOUS INGREDIENTS (MIXTURES)

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INGREDIENTS	PERCENTAGE	CAS #
P LF, Part-B	100%	Mixture
1 Complex Polyamine	*	Privileged
2 Benzyl Alcohol	*	100-51-6
3 Nonyl Phenol	&	84852-15-3
4 Isophorone Diamine	&	2855-13-2

\*The specific chemical identity and/or proportion is considered trade secret information.

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### SECTION IX – ENVIRONMENTAL

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**BIODEGRADABILITY:** Not Known.

**WASTE DISPOSAL METHODS:** Dispose of as hazardous waste in approved waste disposal facilities in accordance with federal, state and local regulations.

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### SECTION X – REFERENCES

---

**PERMISSIBLE CONCENTRATION REFERENCES:** N/A  
**REGULATORY STANDARDS:** N/A  
**GENERAL:** NIOSH guide to chemicals.

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### SECTION XI – ADDITIONAL INFORMATION

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**EMPTY CONTAINER HANDLING! WARNING!** Emptied container retains product residue and vapors. Observe all label precautions even after container is emptied. Do not cut, drill, grind, or weld on or near container.

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### SECTION XII – STORAGE/HANDLING/TRANSPORTATION

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**STORAGE:**

Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame.

**HANDLING:**

Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Whenever possible, use mechanical means to move large or heavy containers to help prevent back injuries.

**TRANSPORTATION REQUIREMENTS:**

**DOT Classification:** Class 8 (corrosive), UN 2735, III

The DOT information in this section is based upon an evaluation of the product against the requirements of 49 CFR 172 & 173 as revised by HM-181.

**D.O.T. proper shipping name:**

Polyalkylamines, N.O.S., (contains Isophrone Diamine)

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**SECTION XIII – DISCLAIMER**

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