



**Southern Lithoplate, Inc.**

P.O. Box 9400

Wake Forest, NC 27588

Phone: 800-638-7990

Fax: 919-554-0786

Website: [www.slp.com](http://www.slp.com)

## SECTION I - PRODUCT IDENTIFICATION

---

**Product Name:** SLP Thermal Deletion Pen

**Product Use:** Plate Image Deletion pen

**Date of Last Revision:** \*~~#~~(~~#~~)-

**Company Name:** Southern Lithoplate Inc.

**Company Address:** 105 Jeffrey Way, Youngsville, N.Carolina, 27596

**24 hr Emergency Contact Number:** Chemtrec (800) 424-9300

---

## SECTION II - PHYSICAL DATA

---

**SPECIFIC GRAVITY:** N/A

**PHYSICAL FORM:** Pen containing clear colorless liquid

**LBS/GAL:** N/A

**SOLUBILITY IN WATER:** Miscible

**pH:** N/A

**BOILING POINT (C):** 153

**VAPOR PRESSURE:** 2.6mmHg @68F

**EVAPORATION RATE:** <1 (butyl acetate = 1)

**ODOR:** faint ammonia like odor

---

### SECTION III - HAZARDOUS COMPONENTS

---

1. INGREDIENT	C.A.S. NO.	PERCENT
Dimethylformamide	68-12-2	80 to 90
Polyoxyethylene nonylphenyl ether	9016-45-9	1 to 10
Hydrofluoric acid	7664-39-3	1 to 10

---

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

---

**FLASH POINT:** 58C by TTC

**EXTINGUISHING MEDIA:** carbon dioxide, dry chemical, alcohol resistant foam or water in large amounts

**SENSITIVITY TO STATIC DISCHARGE:** No

**SPECIAL FIRE FIGHTING PROCEDURES:** Firemen should wear a self contained breathing apparatus and chemical resistant PPE

---

### SECTION V - REACTIVITY DATA

---

**STABILITY:** STABLE

**CONDITIONS TO AVOID:** High heat, ignition sources & open flame

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and Hydrocarbons

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**INCOMPATIBILITY:** Strong oxidizing agents

---

## SECTION VI - HEALTH HAZARD INFORMATION

---

### **ROUTES OF ENTRY:**

INGESTION, SKIN CONTACT, EYE CONTACT, INHALATION

### **HEALTH HAZARDS:**

Inhalation – may cause irritation of the respiratory tract. Heated product may cause headache, irregular eye movements & possible coma.

Eye – Contact causes irritation. May cause burns with permanent eye damage.

Skin – Contact causes irritation. May be absorbed through the skin & may cause severe pain & illness. Symptoms may include redness, burning, drying & cracking, skin burns & skin damage. Hydrofluoric acid in this product may be absorbed through the skin and may attack calcium present like bone.

Ingestion – May cause nausea & vomiting. Toxicity effects may include paralysis of eye muscles, convulsions, rapid heart beat, kidney abnormalities and possible cardiac failure. This product can enter the lungs during swallowing or vomiting & cause lung inflammation or damage.

**CHRONIC EFFECTS:** May have potential for causing reproductive damage in humans

### **EXPOSURE LIMITS:**

Dimethyl formamide – ACGIH (TWA-TLV) 10 ppm; OSHA (PEL) 10 ppm

Hydrofluoric acid– ACGIH (TWA-TLV) 3 ppm; OSHA (PEL) 3 ppm

**REFERENCES:** 29CFR 1910.1000, ACGIH "Threshold Limit Values For Chemicals in the Workplace", National Toxicology Program Annual Report, International Agency For Research on Cancer Monographs, and 40CFR Part 372. ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH TSCA.

### **EMERGENCY AND FIRST AID PROCEDURES:**

INGESTION – RINSE MOUTH & DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN IMMEDIATELY.

INHALATION – REMOVE VICTIM TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION IF BREATHING DIFFICULTIES OCCUR. SEEK MEDICAL ATTENTION.

EYES - FLUSH WITH LARGE VOLUMES OF WATER FOR 15 MINUTES, CONTACT A PHYSICIAN.

SKIN – WASH AFFECTED AREA WITH LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE. GET MEDICAL HELP IF RASH, REDNESS OR IRRITATION DEVELOPS.

**CARCINOGENICITY:** No ingredient identified as carcinogenic, or potentially carcinogenic.

CALIFORNIA PROPOSITION 65: This product may contain quantities of the following chemicals known by the state of California to cause cancer or reproductive harm: None

---

## SECTION VII - SPILL OR LEAK PROCEDURES

---

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

EXTINGUISH ALL SOURCES OF IGNITION. EVACUATE THE AREA. PROVIDE MAXIMUM VENTILATION. DIKE AREA TO CONTAIN SPILL. TAKE PRECAUTIONS TO PREVENT CONTAMINATION OF GROUND AND SURFACE WATERS. RECOVER SPILLED MATERIAL USING ABSORBENT MATERIAL SUCH AS VERMICULITE AND SWEEP INTO CLOSED CONTAINERS FOR DISPOSAL.

**WASTE DISPOSAL METHOD:** CONTAMINATED ABSORBENT MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH STATE, LOCAL, AND FEDERAL REGULATIONS REGARDING CHEMICAL DISPOSAL. COMPLIANCE INCLUDES, BUT IS NOT RESTRICTED TO, THE CLEAN WATER ACT, THE CLEAN AIR ACT, AND THE RESOURCE CONSERVATION AND RECOVERY ACT.

---

## SECTION VIII - HANDLING INFORMATION

---

### **PRECAUTION MEASURES:**

KEEP AWAY FROM HEAT AND FLAME.  
EMPTY CONTAINER RETAINS VAPOR AND PRODUCT RESIDUE.

### **HAZARD WARNINGS:**

WASH HANDS THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH SKIN. AVOID CONTACT WITH EYES. HARMFUL IF SWALLOWED. AVOID BREATHING MIST OR VAPOR.

### **STORAGE CONDITIONS:**

KEEP CAPS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL VENTILATED AREA.

### **OTHER PRECAUTIONS:**

For industrial use only: Keep out of reach of children

---

## SECTION IX - SPECIAL PROTECTION INFORMATION

---

**TYPE VENTILATION:** EFFICIENT EXHAUST VENTILATION SHOULD ALWAYS BE PROVIDED TO DRAW FUMES AND VAPORS AWAY FROM WORKERS TO PREVENT ROUTINE INHALATION. VENTILATION SHOULD BE ADEQUATE TO MAINTAIN THE AMBIENT WORKPLACE ATMOSPHERE BELOW THE TLV OF ANY ITEMS IDENTIFIED UNDER THE HAZARDOUS COMPONENTS SECTION.

**RESPIRATORY PROTECTION:** USE SCBA IN EMERGENCY SITUATIONS OR CONFINED SPACES. RESPIRATORS MUST BE APPROVED BY NIOSH.

**PROTECTIVE GLOVES:** SOLVENT RESISTANT GLOVES SHOULD BE WORN WHEN HANDLING CHEMICALS TO MINIMIZE RISK OF EXPOSURE.

**EYES:** NIOSHA/MSHA APPROVED SAFETY GLASSES OR GOGGLES SHOULD ALWAYS BE WORN WHEN HANDLING CHEMICALS.

**CLOTHING:** BOOTS, APRONS, OR CHEMICAL SUITS SHOULD BE USED WHEN NECESSARY TO PREVENT SKIN CONTACT.

**ENGINEERING CONTROLS:** USE LOCAL EXHAUST OR DILUTION VENTILATION AS APPROPRIATE TO CONTROL EXPOSURE BELOW PERMISSIBLE LEVELS.

---

## SECTION X - OTHER REGULATORY INFORMATION

---

### SUPERFUND AMENDMENTS AND REAUTHORIZATION

#### ACT OF 1986 (SARA) TITLE III

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 MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUTE ARE: HYDROFLUORIC ACID

---

## SECTION XI - SHIPPING INFORMATION

---

**D.O.T. Shipping Name:** NOT DOT REGULATED. PRODUCT IS LABELED IN ACCORDANCE WITH U.S.49CFR

**Hazard Class:**

**Identification No:**

**Packing Group:**

**DISCLAIMER:** THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC PRODUCT DESIGNATED HEREIN. WE BELIEVE THAT THE INFORMATION CONTAINED IS CURRENT AS OF THE DATE OF THE MATERIAL SAFETY DATA SHEET. **HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.** SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF THE USE OF THE PRODUCT ARE NOT WITHIN THE CONTROL OF SOUTHERN LITHOPLATE, INC., IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCT.