



Union Ink Company  
10021 Rodney Street  
Pineville, NC 28134

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**

Union Ink Company  
10021 Rodney Street  
Pineville, NC 28134  
704-553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>1</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>B</b>

**IN CASE OF EMERGENCY CONTACT:** 704-553-0046

**PRODUCT NAME:** Union EF High Opacity Inks  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non Phthalate  
**PRODUCT CODE:** All PLHE Series Inks

**DATE REVISED:** 2/1/2014  
**SUPERSEDES:** 4/10/2013  
**VERSION:** 4

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** May cause eye irritation.

**SKIN CONTACT:** May cause skin irritation.

**INGESTION:** Not a likely route of exposure. Low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

### 3. INGREDIENTS AND HAZARDS

INGREDIENTS	CAS #	% BY WEIGHT	TLV	PEL
Organic Peroxide	10508-09-5	<1.7%	Not Available	Not Available

The above ingredient is defined as hazardous by OSHA 29 CFR 1910.1200

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown      **UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

**PROTECTIVE GLOVES:** Recommended

**EYE AND FACE PROTECTION:** Safety glasses recommended.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.  
**Vapor Pressure:** Unknown  
**Vapor Density (AIR=1):** >1  
**Freezing Point:** Not applicable  
**Melting Point:** Not applicable  
**Physical State:** Thick Liquid  
**Color:** White  
**% Volatile by Weight:** Not available  
**VOC (g/l):** Not available  
**Evaporation Rate (Butyl Acetate=1):** Unknown  
**Specific Gravity @ 25° C:** 1.02-1.44  
**Weight per gallon:** 8.5-12.0

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available      **ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

### 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None  
**AIR FREIGHT TRANSPORTATION:** Not regulated  
**OCEAN TRANSPORTATION:** Not regulated

### 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** Acute

**SARA SECTION 313 TOXIC CHEMICALS:** PLHE-3101 contains <10% barium compound (<2.5% as Ba)

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

### 16. OTHER INFORMATION

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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