



# FREESTYLE PHOTOGRAPHIC SUPPLIES

## KENTMERE PROFESSIONAL

### LIQUID PAPER DEVELOPER

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **LIQUID PAPER DEVELOPER**  
Product Number: **10188** Date Prepared: 05/10/2007  
Customer Information Phone Number: 1-800-521-4042  
CHEMTREC®: 24 Hour Emergency Transport Phone Number: **1-800-424-9300**

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
POTASSIUM SULFITE	10117-38-1	N.E.	N.E.	15-20
POTASSIUM CARBONATE	584-08-7	N.E.	N.E.	10-15
DIETHYLENE GLYCOL	111-46-6	N.E.	50 ppm *	10-15
HYDROQUINONE	123-31-9	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	3

\* AIHA Workplace Environmental exposure Level (WEEL)

#### 3. HAZARDOUS IDENTIFICATION

##### POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe irritation or burns.

Inhalation: Mist may cause irritation to respiratory tract. In contact with strong acids or if heated may liberate sulfur dioxide gas which is irritating. Some asthmatics or hypersensitive individuals may experience difficult breathing.

Ingestion: Harmful if swallowed. May cause burns to the gastrointestinal tract. Can cause kidney damage and CNS effects. Some asthmatics and sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, diarrhea.

Skin Contact: Causes irritation; May cause dryness and may cause allergic reaction.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, diarrhea.

#### 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin Contact: Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals.

Supplemental Health Information: None of the chemicals in this component is listed by IARC, NTP, or OSHA as carcinogen.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point: None                      Flash Point Method: Not applicable      Auto ignition: Not applicable

LEL: Not applicable                      UEL: Not applicable

Extinguishing Media: Use water spray, carbon dioxide, dry chemical, or alcohol foam.

Special Fire-Fighting Procedures: Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire And Explosion Hazards: Fire or excessive heat may cause production of hazardous decomposition products.

Combustion Products: Carbon dioxide, carbon monoxide, and oxides of sulfur.

## 6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Avoid breathing mist or vapor. Do not get in eyes and avoid skin contact. Store in a cool, dry, well ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. A respirator should be worn if hazardous decomposition products are likely to be released. Respirator type: Acid gas.

Ventilation: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

Protective Gloves: Latex, rubber, or neoprene waterproof gloves are recommended.

Eye Protection: Safety glasses with side shields (or goggles).

Other Protective Clothing or Equipment: Rubber or plastic apron.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance And Odor: Light straw color; slight odor. Solubility In Water: Complete  
Boiling Point: > 100° C Vapor Pressure: 18 mm Hg @ 20° C  
Ph: 11.6 Specific Gravity: 1.35 g /ml Melting Point: Not applicable  
Freezing Point: N.E. Evaporation Rate: N.E. Vapor Density: (air = 1) 0.6  
Percent Volatile: 55.36 Molecular Weight: Not applicable Pounds Per Gallon: 11.25  
Other Properties: V.O.C is 162g/L or 12% or 1.35 lb. /gal.

**10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions To Avoid: Heat  
Incompatibility: Strong acids, strong oxidizing agents.  
Hazardous Decomposition Or By Products: May produce oxides of sulfur and carbon.  
Hazardous Polymerization: Will Not Occur  
Conditions To Avoid: None

**11. TOXICOLOGICAL INFORMATION****12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

**14. TRANSPORT INFORMATION**

DOT Class: NOT REGULATED  
Hazard Class: NONE  
UN No.: NOT APPLICABLE  
Packing Group:  
Guide No:  
Ship Name:

**15. REGULATORY INFORMATION**

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.  
SARA TITLE III: Hydroquinone is listed under Sara Title III Section 313 & the Clean Air Act.  
CALIF. PROP. 65: None  
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

**SCAQMD Rule 443.1**

Photochemically Reactive: No  
Maximum Grams of VOC per Liter: 162 g/L  
Vapor Pressure: 18 mm Hg@ 20 Degrees C

**16. OTHER INFORMATION (HMIS)**

Health: 2

Flammability: 0

Reactivity: 0

Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.