

# LIQUI•DOT LITH DEVELOPER PART B

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **LIQUI•DOT DEVELOPER B**  
Product Number: **150010, 152200, 152210** Date Prepared: 09/28/2007  
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 CARBONATE	584-08-7	N.E.	N.E.	20-25
SODIUM CARBONATE	5968-11-6	N.E.	N.E.	1-5
POTASSIUM HYDROXIDE	1310-58-3	N.E.	2 mg/m <sup>3</sup>	1-5
TETRASODIUM EDTA	MIXTURE	N.E.	N.E.	< 1

## 3. HAZARDOUS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

Eye Contact: Causes severe irritation and burns.

Inhalation: May cause irritation to respiratory tract.

Ingestion: May be harmful if swallowed. May cause severe burns and perforation of mucous membranes of mouth, throat, esophagus, and digestive tract.

Skin Contact: May cause irritation and allergic skin 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 water for at least 15 minutes. Get immediate medical attention.

Inhalation: 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. **DO NOT INDUCE VOMITING.** 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 re-use. Get medical attention if irritation develops.

Aggravated Medical Conditions: Dermatitis and asthma.

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

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point: Non-flammable    Flash Point Method: Not applicable    Auto-ignition: Not applicable

LEL: Not applicable    UEL: Not applicable

Extinguishing Media: Use agent appropriate for surrounding fire.

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

Unusual Fire And Explosion Hazards: None

Combustion Products: Carbon dioxide, carbon monoxide

## 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. If flushing to sewer, neutralize with vinegar and use large amounts of water. Contaminated surfaces should be cleaned using water.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: 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. Do not reuse containers. Triple rinse before disposal.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Avoid breathing mist. Use of respiratory protection is generally not required.

However, if use conditions generate vapors or fumes, use a NIOSH approved acid gas respirator.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Good ventilation (typically 10 air changes per hour) should be used.

Protective Gloves: Rubber, or neoprene waterproof gloves are recommended.

Eye Protection: Safety glasses with side shields (or goggles) and a face shield.

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: Colorless, odorless solution. Solubility In Water: Complete  
Boiling Point: >100° C Ph: 13.2 Specific Gravity: 1.31 g /ml  
Melting Point: Not applicable Freezing Point: N.E. Evaporation Rate: N.E.  
Vapor Density: N.E. Percent Volatile: 66.45 Pounds Per Gallon: 10.88  
Molecular Weight: Not applicable Vapor Pressure: 18 mm Hg @ 20° C  
V.O.C. = 0

**10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions To Avoid: Strong acids and bases with working solution.  
Incompatibility: Acids  
Hazardous Decomposition Or By Products: Carbon dioxide and carbon monoxide.  
Hazardous Polymerization: Will Not Occur

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

The preferred options for disposal are to send to licensed reclaimers, or to approved 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: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains Potassium Hydroxide)  
Hazard Class: 8  
UN No.: 3266  
Packing Group: III  
Guide No: 154

Limited Quantity Exception may apply to this product, for "inner packagings not over 4.0L (1 gal) for liquids and 5.0 kg (11 lb) for solids". 173.154 (b) (2). Each package must conform to the packaging requirements of Subpart B of Part 173 and may not exceed 30 kg (66 lb) gross weight. For further information consult the 49 CFR.

DOT Class: CONSUMER COMMODITY, ORM-D  
Hazard Class: NOT APPLICABLE  
UN No.: NOT APPLICABLE  
Packing Group: NOT APPLICABLE  
Guide No: NOT APPLICABLE  
Ship Name: NOT APPLICABLE

**15. REGULATORY INFORMATION**

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE: NONE

CALIF. PROP. 65: Product contains a mixture which includes trace amounts of Trisodium NTA. The State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65 requires the following information. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording.

WARNING: This product contains Trisodium NTA – known to the State of California to cause cancer, birth defects or other reproductive harm.

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

### **SCAQMD Rule 443.1**

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 0 g/L

Vapor Pressure: 18 mm Hg@ 20 Degrees C

### **16. OTHER INFORMATION (HMIS)**

Health: 2

Flammability: 0

Reactivity: 0

Protective: D

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.