



FREESTYLE PHOTOGRAPHIC SUPPLIES

LEGACYPRO

L-110R DEVELOPER CONCENTRATE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.
7200 Huron River Drive, Dexter, MI 48130
Product Number: **10191**

Product Name: **L-110R DEVELOPER**

Date Prepared: 10/12/2008

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.	25-35
HYDROQUINONE	123-31-9	2mg/m ³	2mg/m ³	5-10
DIETHYLENE GLYCOL	111-46-6	10mg/m ³ (WEEL)	50 ppm TWA	5-10
DIETHANOLAMINE	111-42-2	3 ppm TWA	0.46 ppm (skin)	1-3

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation.

Inhalation: Harmful if inhaled. May cause irritation to respiratory tract.

Ingestion: Harmful if swallowed. May cause burns to the gastrointestinal tract. Can cause CNS effects and may cause kidney damage, liver damage, or blood disorders based upon animal data.

Skin Contact: May cause irritation or 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 if symptoms occur.

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

Ingestion: If swallowed, give victim a glass of water or milk. DO NOT induce vomiting. Call a physician or poison control center. 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.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: Noncombustible liquid

Extinguishing Media: Water spray, carbon dioxide, dry chemical, alcohol foam.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to keep containers cool.

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

Decomposition Products: Concentrate: Carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen.

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. Contaminated surfaces should be cleaned using water.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Avoid prolonged breathing of vapor or mist. Avoid contact with eyes, skin, and clothing. 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Avoid breathing mist or vapor. Wear OSHA approved respirator if TLV is to be exceeded. Respirator type: Organic vapor.

Ventilation: Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use.

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

Eye Protection: Wear safety glasses with side shield 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****Concentrate:**

Appearance And Odor: Clear to yellow liquid with sharp odor

Solubility In Water: Complete

Boiling Point: > 100°C

Vapor Pressure: 18 mm Hg@ 68°F

Specific Gravity: 1.2

Melting Point: N.E.

Freezing Point: N.E.

Evaporation Rate: N.E.

Vapor Density: 0.6 (AIR=1)

Percent Volatile: 68.6

Ph: 9.9 Concentrate

Molecular Weight: N.E.

Pounds per Gallon 10.0

9.5 Working solution

V.O.C. is 135.9g/L or 11.3% or 1.13 lb. /gal.

Working Solution:

Appearance And Odor: Colorless with slight odor

Solubility In Water: Complete

Boiling Point: > 100°C

Vapor Pressure: 18 mm Hg@ 68°F

Specific Gravity: 1.02

Melting Point: N.E.

Freezing Point: N.E.

Evaporation Rate: N.E.

Vapor Density: 0.6 (AIR=1)

Percent Volatile: 90-95

Ph: 9.5

Molecular Weight: N.E.

Pounds per Gallon 8.5

V.O.C. is 17.1g/L or 1.6% or 0.14 lb. /gal.

10. STABILITY AND REACTIVITY

Stability: Stable under safe handling temperatures.

Conditions To Avoid: elevated temperatures above 293 °F can cause decomposition.

Incompatibility: Strong oxidizers.

Hazardous Decomposition Or By Products: Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.

Hazardous Polymerization: Will Not Occur

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

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws. Consult state or local regulatory authorities before flushing to sewer with large amounts 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 and Diethanolamine are listed under Sara Title 313.

CALIF. PROP. 65: None.

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: 135.9 gm/L
Vapor Pressure: 18 mmHg@ 20 °C

16. OTHER INFORMATION (HMIS)**Concentrate:**

Health: 2
Flammability: 1
Reactivity: 1

Working solution:

Health: 2
Flammability: 1
Reactivity: 0

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.