

TYPE KDK 2-in-1 SUBTRACTIVE PLATE DEVELOPER/FINISHER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.
7200 Huron River Drive, Dexter, MI 48130

Product Number: **405020, 405290**

Customer Information Phone Number:

CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

Product Name: **TYPE KDK 2-N-1 PLATE
DEVELOPER**

Date Prepared: 10/01/2007

1-800-521-4042

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
SODIUM NAPHTHALENE SULFATE MIXTURE	MIXTURE	N.E.	N.E	30-50
BENZYL ALCOHOL	100-51-6	44 mg/m ³ *	N.E.	10-15

*AIHA recommendation

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: Hazardous in case of eye contact, can cause severe eye 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: Slightly hazardous in case of ingestion. Some asthmatics and sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, diarrhea.

Skin Contact: May cause skin irritation. Skin inflammation can include itching, scaling, reddening and occasionally blistering

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. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. If irritation persists, get medical attention.

Aggravated Medical Conditions: Dermatitis

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: Not flammable Flash Point Method: Not applicable Auto ignition: Not available
LEL: Not applicable UEL: Not applicable May be combustible at high temperatures.
Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.
Unusual Fire And Explosion Hazards: May be explosive in presence of open flames and sparks, of heat.
Combustion Products: Oxides of carbon and 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 contact with skin and eyes. Avoid breathing vapors or spray mists. Store in a cool, dry, well ventilated area at temperatures of 25°C. 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. 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 or have been released. Respirator type: Acid gas.

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

Protective Gloves: Impervious gloves recommended.

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

Other Protective Clothing or Equipment: Wear impervious gloves and protective clothing appropriate for the risk of exposure.

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: Clear, yellow liquid with mild hydrocarbon odor.

Solubility In Water: Complete

Boiling Point: N.E.

Vapor Pressure: N.E.

Specific Gravity: 1.06

Melting Point: Not applicable

Freezing Point: N.E.

Evaporation Rate: N.E.

Vapor Density: N.E.

Percent Volatile: 81.66

Ph: 7.4

Molecular Weight: Mixture

Pounds Per Gallon: 8.83

V.O.C. = 118.85 g/L, or 11.2 %, or 0.99 lb/gal.

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: High temperatures

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Or By Products: Carbon monoxide, carbon dioxide, oxides of sulfur, phosphates

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 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: PHOTOGRAPHIC DEVELOPER

15. REGULATORY INFORMATION

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

SARA TITLE III: Benzyl Alcohol and Sodium Naphthalene Sulfonate mixtures are listed as health hazards under Section 311/312.

CALIF. PROP. 65: Product contains Diethylene Glycol which includes 1, 4-Dioxane (CAS #123-91-1). This product also 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 Ethylene Oxide and 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: 118.85 g/L

Vapor Pressure: N.E. mm Hg@ 20 Degrees C

16. OTHER INFORMATION (HMIS)

Health: 2

Flammability: 1

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