



MATERIAL SAFETY DATA SHEET

EASTMAN KODAK COMPANY
343 State Street
Rochester, New York 14650

For Emergency Health, Safety, and Environmental Information, call (716) 722-5151
For all other purposes, call the Marketing and Distribution Center in your area.

Revised Date of Preparation: 9/27/84 Approved by U.S. Department of Labor

SECTION I. IDENTIFICATION

- Product Name: KODAK PHOTO-FLO 200 Solution
- Formula: Aqueous Mixture
- Kodak Photographic Chemicals Catalog Number(s): CAT 146 4502 - 4 Fluid ounces;
CAT 146 4510 - 16 Fluid ounces
- Solution Number: 3107
- Kodak Accession Number: 354804

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A. COMPONENT(S):	Weight Percent	TLV ^a	Kodak Accession No.	CAS Reg. No.
Water	60-70	---	035290	7732-18-5
Propylene glycol 25-30	---	---	901321	57-55-6
p-Tertiary-octylphenoxy polyethyl alcohol 5-10	---	---	913075	9002-93-1

^aPrincipal Hazardous Component(s)

B. PRECAUTIONARY LABEL STATEMENT(S):

Contains p-tertiary-octylphenoxy polyethyl alcohol

WARNING!

CAUSES EYE IRRITATION

Avoid contact with eyes.

First Aid: In case of eye contact, immediately flush with plenty of water for at least 15 minutes. Get medical attention. KEEP OUT OF REACH OF CHILDREN.

SECTION III. PHYSICAL DATA

- Appearance and Odor: Colorless solution; odorless
- Boiling Point: > 100 °C (> 212 °F) @ 760 mmHg
- Vapor Pressure: ~ 18 mmHg @ 20 °C
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Vapor Density (Air = 1): ~ 0.6
- Volatile Fraction by Weight: ~ 65 %
- Specific Gravity (H₂O = 1): 1.03
- pH: ~ 7.0
- Solubility in Water (by Weight): Complete

81-0068

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SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: None
- Extinguishing Media: Water spray, Dry chemical, CO₂
- 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

SECTION V. REACTIVITY DATA

- Stability: Stable
- Incompatibility: Strong oxidizers.
- Hazardous Decomposition Products:
As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.
- Hazardous Polymerization: Will not occur.

SECTION VI. TOXICITY AND HEALTH HAZARD DATA

A. THRESHOLD LIMIT VALUE: Not Applicable

B. EXPOSURE EFFECTS:

Eyes: Causes eye irritation.

C. FIRST AID:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

D. TOXICITY DATA

Test	Species	Result ¹	Classification ²
Acute Oral LD ₅₀	Rat	5000 mg/kg	Practically non-toxic
Skin Irritation	Guinea Pig	Slight Irritation	
Eye Irritation	Rabbit	Moderate Irritation	

SECTION VII. PERSONAL PROTECTION AND CONTROLS

A. RESPIRATORY PROTECTION: None should be needed.

B. VENTILATION:

Local Exhaust: None should be needed.

Mechanical (General): Recommended

C. SKIN AND EYE PROTECTION: Safety glasses should be worn.

SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Keep from contact with oxidizing materials.

SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

Flush material to sewer with large amounts of water.
Discharge, treatment, or disposal may be subject to federal, state, or local laws.

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SECTION X. ENVIRONMENTAL EFFECTS DATA

A. SUMMARY:

This chemical formulation has not been tested for environmental effects. Some laboratory test data and published data are available for the major components of this chemical formulation, and these data have been used to provide the following estimate of environmental impact:

This chemical formulation has a moderate biological oxygen demand, and it is expected to cause some oxygen depletion in aquatic systems. It is expected to have a moderate potential to affect aquatic organisms. It is expected to have a low potential to affect secondary waste treatment microorganisms. If diluted with a large amount of water, a moderate quantity of this chemical formulation released into the environment is not expected to have a significant impact.

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SECTION XI. TRANSPORTATION

For transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 254-1300; Oak Brook, IL (312) 664-6300; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1256; Honolulu, HI (808) 833-1661.

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SECTION XII. REFERENCES

1. Unpublished data, Health and Environment Laboratories, Eastman Kodak Company, Rochester, New York.
 2. Hodge, H.C., and Sterner, J.M., Am. Indust. Hyg. Assn. Quart. 10:93, 1949.
 3. Verschuere, K., Handbook of Environmental Data on Organic Chemicals, Van Nostrand Reinhold Company, New York, N.Y., 1977.
 4. Meeck, K.J. and Krzesinski, S.F., Bulletin of Environmental Contamination and Toxicology, 12 (3), 377-84 (1975)
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