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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 other purposes, call the Marketing and Distribution Center in your area

Date of Preparation: 11/1/83 Approved by U.S. Department of Labor

SECTION I. IDENTIFICATION

- Product Name: KODAK HOBBY-PAC Color Print Stop Bath
- Formula: Aqueous Mixture
- Kodak Photographic Chemicals Catalog Number(s): CAT 101 1436 - Color Print Kit
- Solution Number: 4799
- Kodak Accession Number: 427726
- Kodak Hazard Rating Codes: R: 1 S: 2 F: 0 C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A. COMPONENT(S):	Percent	TLV(R)	Kodak Accession No.	CAS Reg. No.
Water	65-75	---	035290	7732-18-5
*Citric acid	30-35	---	900588	77-92-9

*Principal Hazardous Component(s)

B. PRECAUTIONARY LABEL STATEMENT(S):

Contains citric acid
WARNING! CAUSES EYE IRRITATION.
 AVOID CONTACT WITH EYES.
 In case of contact with eyes, flush with plenty of water and get medical attention.
 KEEP OUT OF REACH OF CHILDREN.

SECTION III. PHYSICAL DATA

- Appearance and Odor: Clear, colorless solution; odorless
- Boiling Point: GT 100 C (GT 212 F) @ 760 mmHg
- Vapor Pressure: approx 18 mmHg @ 20 C
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Vapor Density (Air = 1): 0.6
- Volatile Fraction by Weight: approx 100 %
- Specific Gravity (H2O = 1): 1.13
- pH: LT 2.0
- Solubility in Water: Complete

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SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: None
 - Extinguishing Media: Not Applicable
 - Special Fire Fighting Procedures: None
 - Unusual Fire and Explosion Hazards: None
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SECTION V. REACTIVITY DATA

- Stability: Stable
 - Incompatibility: Strong alkalis
 - Hazardous Decomposition Products: None
 - Hazardous Polymerization: Will not occur.
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SECTION VI. TOXICITY AND HEALTH HAZARD DATA

- A. EXPOSURE LIMITS: Not Applicable
 - B. EXPOSURE EFFECTS:
 - Eyes: Causes eye irritation.
 - C. FIRST AID:
 - Eyes: Immediately flush eyes with plenty of water and get medical attention.
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SECTION VII. VENTILATION AND PERSONAL PROTECTION

Good general ventilation* should be sufficient to control airborne levels. Supplementary ventilation, closed systems, or respiratory protection may be needed in special circumstances; e.g., poorly ventilated spaces, evaporation from large surface areas, spraying, mechanical generation of dusts, heating, etc.

*Typically 10 room volumes per hour is considered good general ventilation: Ventilation rates should be matched to conditions of use.

A. SKIN AND EYE PROTECTION:

Safety glasses are recommended.

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SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Avoid contact with strong alkali.

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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:1,2,3

This chemical formulation has a high biological oxygen demand, and it is expected to cause significant oxygen depletion in aquatic systems. It is expected to have a moderate potential to affect the germination of some plants. It is expected to have a low potential to affect aquatic organisms, secondary waste treatment microorganisms, and the growth of some plants. The components of this chemical formulation are readily biodegradable and are not likely to bioconcentrate. If diluted with a large amount of water, this chemical formulation released directly or indirectly into the environment is not expected to have a significant impact.

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SECTION XI. TRANSPORTATION

Transportation information may be obtained by requesting an EXTERNAL TRANSPORTATION ADDENDUM sheet by catalog number(s) from Kodak Publications Data Services, Eastman Kodak Company, 343 State Street, Rochester, New York 14650.

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SECTION XII. REFERENCES

1. Toxicity results are from unpublished data, Health, Safety, and Human Factors Laboratory, Eastman Kodak Company, Rochester, New York.
 2. Verschueren, K., Handbook of Environmental Data on Organic Chemicals, Van Nostrand Reinhold Company, New York, N.Y., 1977.
 3. Battelle's Columbus Laboratories, Water Quality Critical Data Book - Vol. 3 - Effects of Chemicals on Aquatic Life - Selected Data from the Literature Through 1968, for the U.S. Environmental Protection Agency, Project No. 18050 GWV, Contract No. 68-01-007, May 1971.
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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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