

MATERIAL SAFETY DATA SHEET

200001242/F/USA - N-0001.500F

Approval Date: 07/08/1992

Print Date: 07/11/1992

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK Bleach, Process E-6, Part A

~~Color Slide Kit~~

Catalog Number(s): 156 2461 - To Make 1 gallon(s) (U.S.)
156 6538 - Kit(s), To Make 1 pint(s) (U.S.)
181 5034 - Kit(s), To Make 1 gallon(s) (U.S.)
824 9906 - Kit(s), To Make 1 gallon(s) (U.S.)

Manufacturer/Supplier: EASTMAN KODAK COMPANY, Rochester, New York 14650

For Emergency Health, Safety & Environmental Information, call: 716-722-5151

For Other Information, call the Marketing and Distribution Center in Your Area.

Synonym(s): Part A: KAN 355189; PCD 4100; N-0001.500
Working solution: KAN 965670; Contains: PCD 4100 - Part A, PCD 3818 - Part B

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

Part A:

60-65 Water (007732-18-5)
15-20 Ammonium ferric ethylenediaminetetraacetic acid (021265-50-9)
10-15 Ammonium bromide (012124-97-9)
1-5 Potassium nitrate (007757-79-1)
1-5 Hydrobromic acid (010035-10-6)

Working solution:

70-75 Water (007732-18-5)
10-15 Ammonium ferric ethylenediaminetetraacetic acid (021265-50-9)
5-10 Ammonium bromide (012124-97-9)
1-5 Potassium nitrate (007757-79-1)
1-5 Hydrobromic acid (010035-10-6)

3. HAZARDS IDENTIFICATION

LOW HAZARD FOR RECOMMENDED HANDLING

4. FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

E000033-3-29-67

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Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

Personal Protection: Good industrial hygiene practice should be followed which includes preventing eye contact and minimizing skin contact and inhalation.

Respiratory Protection: None should be needed.

Eye Protection: It is a good industrial hygiene practice to minimize eye contact. Wear safety glasses with side shields (or goggles).

Skin Protection: It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Recommended Decontamination Facilities: Eye bath, washing facilities, safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical Form: Liquid
- Color: Red
- Odor: Slight ammonia
- Specific Gravity (water = 1):
 - Part A: 1.26
 - Working solution: 1.12-1.26
- Vapor Pressure at 20 C (68 F): 24 mbar (18 mm Hg)
- Vapor Density (Air = 1): 0.6
- Volatile Fraction by Weight:
 - Part A: 60-65%
 - Working solution: 70-75%
- Boiling Point: >100 C (>212 F)
- Solubility in Water: Complete
- pH:
 - Part A: 5.4
 - Working solution: 5.6-5.10
- Flash Point: None

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents. Contact with acid liberates flammable material, harmful gas.

Hazardous Decomposition Products: Ammonia

Hazardous Polymerization: Will not occur.



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11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

Inhalation: Low hazard for recommended handling.

Eyes: No specific hazard known. May cause transient irritation.

Skin: Low hazard for recommended handling.

Ingestion: Expected to be a low ingestion hazard.

12. ECOLOGICAL INFORMATION

Introduction: This environmental effects summary is written to assist in addressing emergencies created by an accidental spill which might occur during the shipment of this material, and, in general, it is not meant to address discharges to sanitary sewers or publically owned treatment works.

Summary: Data for the major components of this material have been used to estimate the environmental impact of this material. However, this material, itself, has not been tested for environmental effects.

It is expected to have the following properties: a low biochemical oxygen demand and little potential to cause oxygen depletion in aqueous systems, a high potential to affect some aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a high potential to affect the germination and/or early growth of some plants, a low potential to bioconcentrate. After dilution with a large amount of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

- For transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-3536 or 588-3573 or 588-3035; Oak Brook, IL (312) 954-6000; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

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15. REGULATORY INFORMATION

- Material(s) known to the State of California to cause cancer: None
- Material(s) known to the State of California to cause adverse reproductive effects: None

- Carcinogenicity Classification (components present at 0.1% or more):
 - International Agency for Research on Cancer (IARC): None
 - American Conference of Governmental Industrial Hygienists (ACGIH): None
 - National Toxicology Program (NTP): None
 - Occupational Safety and Health Administration (OSHA): None

- Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None

16. OTHER INFORMATION

US/Canadian Label Statements:

LOW HAZARD FOR RECOMMENDED HANDLING

Keep out of reach of children

For additional information, see Material Safety Data Sheet (MSDS) for this material.

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 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 and the protection of the environment.



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