

MATERIAL SAFETY DATA SHEET

200001280/F/USA - N-0026.520A

Approval Date: 07/08/1992

Print Date: 07/11/1992

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK Final Rinse, Process E-6

Catalog Number(s): 181 5034 - Kit(s), To Make 1 gallon(s) (U.S.)
 195 1128 - To Make 5 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): Concentrate: KAN 471191; PCD 5708; N-0026.520
 Working solution: KAN 965674

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

Concentrate:

95-100 Water (007732-18-5)
1-5 Nonionic surfactant (024938-91-8)
< 1 Substituted thiazolin-3-one (not available)

Working solution:

99-100 Water (007732-18-5)
< 1 Nonionic surfactant (024938-91-8)
< 0.1 Substituted thiazolin-3-one (not available)

3. HAZARDS IDENTIFICATION

Concentrate:

WARNING! CONTAINS: Substituted thiazolin-3-one (not available)
MAY CAUSE ALLERGIC SKIN REACTION

Working solution:

LOW HAZARD FOR RECOMMENDED HANDLING

4. FIRST-AID MEASURES

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

Eyes:

Concentrate: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Working solution: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin:

Concentrate: Immediately remove contaminated clothing and shoes and wash with soap and plenty of water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Working solution: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Drink 1-2 glasses of water. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use appropriate agent for adjacent fire.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: None (noncombustible)

Unusual Fire and Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Flush to sewer with large amounts of water.

7. HANDLING AND STORAGE

Personal Precautionary Measures:

Concentrate: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Working solution: Use with adequate ventilation. Wash thoroughly after handling.

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Prevention of Fire and Explosion: No special precautionary measures should be needed under anticipated conditions of use.

Storage: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Not applicable

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

Respiratory Protection: None should be needed.

Eye Protection:

Concentrate: Wear safety glasses with side shields (or goggles).

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

Skin Protection:

Concentrate: Wear impervious gloves.

Working solution: 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: Light yellow
- Odor: Odorless
- Specific Gravity (water = 1):
 - Concentrate: 1.01
 - Working solution: 0.997-1.003
- Vapor Pressure at 20 C (68 F): 24 mbar (18 mm Hg)
- Vapor Density (Air = 1): 0.6
- Evaporation Rate (n-butyl acetate = 1): 0.4
- Volatile Fraction by Weight:
 - Concentrate: 95-100%
 - Working solution: 99-100%
- Boiling Point: >100 C (>212 F)

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- Solubility in Water: Complete
 - pH:
 - Concentrate: 8.2
 - Working solution: 7.0-7.5
 - Flash Point: None, noncombustible liquid

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

Inhalation: Expected to be a low hazard for recommended handling.

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

Skin:

Concentrate: May cause allergic skin reaction.

Working solution: 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 moderate potential to affect some aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a moderate potential to persist in the environment. After dilution with a large amount of water,

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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.

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:

Concentrate:

CONTAINS: Substituted thiazolin-3-one (not available)

WARNING!

MAY CAUSE ALLERGIC SKIN REACTION

Avoid prolonged or repeated contact with skin.

Wash thoroughly after handling.

FIRST AID: In case of skin contact, wash skin with soap and plenty of

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water. Get medical attention if symptoms occur. Remove contaminated clothing and shoes. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Keep out of reach of children

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

Working solution:

LOW HAZARD FOR RECOMMENDED HANDLING

Keep out of reach of children.

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

Additional hazard precautions for containers greater than 1 gallon of liquid or 5 pounds of solid:

IN CASE OF SPILL: Absorb spill with inert material, then place in a chemical waste container. Flush residual spill or area with water. For large spills, dike for later disposal. Prevent runoff from entering drains, sewers, and streams.

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.