MATERIAL SAFETY DATA SHEET
EASTMAN KODAK COMPANY

Date of Preparation: 04/08/91
Kodak Accession Number: 471329

PRODUCT INFORMATION

Product Name: KODAK Rapid Fixer (Working solution film strength)
(This information describes the freshly made working solution when prepared
according to the products mixing instructions.)
Formula: Aqueous Mixture
Kodak Catalog Number(s): CAT 186 6342; CAT 128 2839; CAT 197 3247; CAT 146
4114; CAT 146 4106
Solution Number: Part A - 4896; Part B - 4415
Kodak Hazard Rating Codes: R: 1 S: 1 F: 0 C: 0

Manufacturer/Supplier:
Eastman Kodak Company
343 State Street
Rochester, New York 14650
USA
For Emergency Information: (716) 722-5151
For other purposes, call the Marketing and Distribution Center in your area.

COMPONENT INFORMATION

<table>
<thead>
<tr>
<th>Weight Percent</th>
<th>CAS Number</th>
<th>Accession Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>80-85</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Ammonium thiosulfate</td>
<td>10-15</td>
<td>7783-18-8</td>
</tr>
<tr>
<td>Sodium acetate</td>
<td>1-5</td>
<td>127-09-3</td>
</tr>
<tr>
<td>Boric acid</td>
<td>LT 1</td>
<td>10043-35-3</td>
</tr>
<tr>
<td>Ammonium sulfite</td>
<td>LT 1</td>
<td>10196-04-0</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>LT 1</td>
<td>64-19-7</td>
</tr>
</tbody>
</table>

PRECAUTIONARY LABEL STATEMENTS

LOW HAZARD FOR RECOMMENDED HANDLING. Keep out of reach of children.

PHYSICAL DATA

Appearance and Odor: Clear solution; slight sulfur dioxide odor
Boiling Point: GT 100 C (GT 212 F) @ 760 mmHg
Vapor Pressure: ca. 18 mmHg @ 20 C
Evaporation Rate (n-butyl acetate = 1): ca. 0.4
Vapor Density (Air = 1): ca. 0.6
Volatile Fraction by Weight: ca. 85 %
Specific Gravity (H2O = 1): 1.087
pH: approx. 4.4
Solubility in Water (by Weight): Complete

GT = Greater than; LT = Less than

D-0018.100
91-0519
FIRE AND EXPLOSION HAZARD

FLASH POINT: None, noncombustible
EXTINGUISHING MEDIA: Use appropriate agent for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire or excessive heat may cause production of hazardous decomposition products.

REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: None with common materials and contaminants with which the material may reasonably come into contact.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of nitrogen, sulfur, and ammonia gas.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Will not occur.

TOXICOLOGICAL PROPERTIES

EXPOSURE LIMITS: Not Applicable

EXPOSURE EFFECTS:
Inhalation: Low hazard for recommended handling. However, in poorly ventilated areas small amounts of acetic acid and sulfur dioxide may cause mucous membrane irritation or may cause a respiratory reaction in some asthmatics.

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

Skin: Low hazard for recommended handling.

Ingestion: Expected to be a low ingestion hazard.

PROTECTION AND PREVENTIVE MEASURES

VENTILATION: Good ventilation* should be sufficient. Supplementary ventilation or respiratory protection may be needed in special circumstances.

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

SKIN AND EYE PROTECTION: Safety glasses with side shields should be worn. Safety glasses with side shields are recommended in industrial operations involving chemicals. If prolonged or repeated skin contact is necessary, impervious gloves or other protection may be required.
STORAGE AND DISPOSAL

SPECIAL STORAGE AND HANDLING PRECAUTIONS: None

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.

FIRST AID

Inhalation: If symptomatic, remove to fresh air. Get medical attention if symptoms occur.

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

Skin: Wash after each contact. Get medical attention if symptoms occur.

Ingestion: If swallowed, drink 1-2 glasses of water. Seek medical attention.

TRANSPORTATION

For Transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-3536 or 588-3573 or 588-3505; 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.

PREPARATION INFORMATION

Health and Environment Laboratories
Eastman Kodak Company
Rochester, New York 14652-3615

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