

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: 08/18/86

Kodak Accession Number: 441821

SECTION I. IDENTIFICATION

*Developer*

000925

- Product Name: KODALITH Fine Line ~~Developer~~, Part B
- Formula: Solid Mixture
- Kodak Photographic Chemicals Catalog Number(s): CAT 146 5228 - To Make 2 Gallons
- Mixture Number: 5213
- Kodak's Internal Hazard Rating Codes: R: 1 S: 2 F: 0 C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A. PRINCIPAL COMPONENT(S):	Weight Percent	ACGIH TLV(R)	Kodak Accession No.	CAS Reg. No.
*Sodium carbonate	70-75	---	900860	5968-11-6
Sodium bicarbonate	10-15	---	902200	144-55-8
Sodium hexametaphosphate	10-15	---	003016	10124-56-8

B. PRECAUTIONARY LABEL STATEMENT(S):

CONTAINS: sodium carbonate  
WARNING!

CAUSES SKIN AND EYE IRRITATION

Avoid contact with eyes, skin, and clothing.

First Aid: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. In case of eye contact, get medical attention.

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SECTION III. PHYSICAL DATA

- Appearance and Odor: White powder; odorless
  - Melting Point: Not Available
  - Boiling Point: Not Available
  - Vapor Pressure: Negligible
  - Evaporation Rate (n-butyl acetate = 1): Negligible
  - Vapor Density (Air = 1): Not Applicable
  - Volatile Fraction by Weight: Negligible
  - Specific Gravity (Water = 1): Not Available
  - Solubility in Water (by Weight): Appreciable
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SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Noncombustible
  - Extinguishing Media: Use agent appropriate for surrounding fire.
  - 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
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SECTION V. REACTIVITY DATA

- Stability: Stable
  - Incompatibility:
    - None with common materials and contaminants with which the product may reasonably come into contact.
  - Hazardous Decomposition Products:
    - As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.
  - Hazardous Polymerization: Will not occur.
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SECTION VI. TOXICITY AND HEALTH HAZARD DATA

A. EXPOSURE LIMITS: Not Applicable

B. EXPOSURE EFFECTS:

Inhalation: Low hazard for usual industrial handling.

Eyes: Causes irritation.

Skin: Causes irritation.

C. FIRST AID:

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

Skin: Immediately flush with plenty of water for at least 15 minutes and get medical attention if symptoms are present after washing.

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SECTION VII. VENTILATION AND PERSONAL PROTECTION

A. VENTILATION:

Good general ventilation should be sufficient.

B. SKIN AND EYE PROTECTION:

Safety glasses with side shields are recommended.  
Impervious gloves should be worn.

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SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

None

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SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

Flush 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

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: 1-4

This chemical formulation forms a moderately alkaline aqueous solution, and this property may cause adverse environmental effects. It has no biological oxygen demand, and is not expected to cause oxygen depletion in aquatic systems. It is expected to have a low potential to affect aquatic organisms and secondary waste treatment microorganisms. The components of this chemical formulation are not likely to bioconcentrate. When 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

For transportation information regarding this product, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 254-1300; Oak Brook, IL (312) 654-5300; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

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SECTION XII. REFERENCES

1. Unpublished data, Health and Environment Laboratories, Eastman Kodak Company, Rochester, NY.
  2. Battelle's Columbus Laboratories, Water Quality Criteria 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. 68-01-0007, May 1971.
  3. Kodak Publication J-41, BOD5 and COD of Photographic Chemicals, Eastman Kodak Co., 1981.
  4. McKee, J.E. and Wolf, H.W., Eds., Water Quality Criteria, State of California, Publication No. 3-A, 1963.
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