



SCSD  
BUSINESS  
OFFICE  
March 30, 1993

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PURCHASE ORDER NUMBER: K95403C

SYRACUSE CITY SCHOOL  
DISTRICT  
725 HARRISON ST  
SYRACUSE, NY 13210

CUST#: 8963407

TO: Safety Director/Plant Manager/Lab Director  
SUBJECT: Material Safety Data Sheets

Enclosed are the Material Safety Data Sheets (MSDS's) listed below for KODAK chemical products you have purchased.

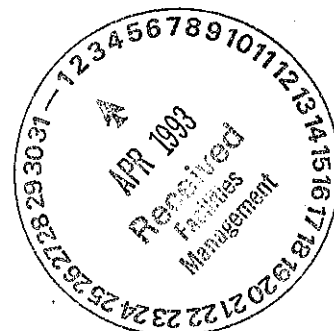
You should maintain a file of these sheets in the event you receive requests for them or have to provide them to your customers or employees as required by certain state right-to-know laws and/or the Federal Hazard Communication Standard. The information contained in a product's MSDS should be provided to each person prior to that person using the product. For customers and users in the State of California, your attention is especially directed to the information provided in the Section of the MSDS entitled, Toxicity and Health Hazard Data. Please feel free to duplicate the information we have provided.

You will not be sent another Material Safety Data Sheet for this product with subsequent orders unless a significant change in information occurs, which would result in a revised MSDS. When a revised MSDS is provided, indicated by an asterisk (\*) following the Index No., you should replace any MSDS previously received with the revised MSDS.

Thank you for purchasing KODAK products.

Eastman Kodak Company

<u>Index No.</u>	<u>MSDS Name</u>
C-0013.620C	KODAK C Developer, Black



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MATERIAL SAFETY DATA SHEET

200000182/F/USA - C-0013.620C

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK C Developer, Black

Catalog Number(s): 835 4359 - 830 gram(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): KAN 471471; C-0013.620

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

85-90 Strontium ferrite (012023-91-5)

5-10 Styrene acrylate copolymer (057516-68-4)

< 1 Vinylidene fluoride homopolymer (024937-79-9)

< 1 Methacrylate homopolymer (009011-14-7)

< 1 Carbon black (001333-86-4)

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3. HAZARDS IDENTIFICATION

LOW HAZARD FOR RECOMMENDED HANDLING

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4. FIRST-AID MEASURES

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

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

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

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

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5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide (CO2), dry chemical

Special Fire-Fighting Procedures: None



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Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Powdered material may form explosive dust-air mixtures.

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6. ACCIDENTAL RELEASE MEASURES

Sweep material onto paper and place in a fiber carton.

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7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials. Minimize dust generation and accumulation. Refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries." Use with adequate ventilation.

Storage: Keep container closed.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Carbon black: 3.5 mg/m<sup>3</sup> TWA

OSHA (USA) Permissible Exposure Limit (PEL):

Carbon black: 3.5 mg/m<sup>3</sup> TWA

Ventilation: Good ventilation (typically 4-6 room volumes 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.

Skin Protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

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Recommended Decontamination Facilities: Washing facilities

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9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical Form: Solid (powder)
  - Color: Black
  - Odor: Slight
  - Specific Gravity (water = 1): Not available
  - Vapor Pressure: Negligible
  - Vapor Density (Air = 1): Negligible
  - Evaporation Rate (n-butyl acetate = 1): Negligible
  - Volatile Fraction by Weight: Negligible
  - Melting Point: Not available
  - Solubility in Water: Negligible
  - pH: Not applicable
  - Flash Point: Not applicable, combustible solid
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10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

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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: Expected to be a low hazard for recommended handling.

Ingestion: Expected to be a low ingestion hazard.

Overexposure to carbon black dust may result in irritation of the respiratory tract and pneumoconiosis. Dust sampling performed by Eastman Kodak Company during typical Eastman Kodak copier operation has indicated that levels are well below occupational exposure guidelines and do not present a respirable dust hazard. A Health Profile Study of electrographic toner manufacturing employees found no evidence of increased health risk when compared to other hourly employees. This finding is based on a review



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of health history questionnaires, medical examinations, sickness-absence reports, and death certificates.

Mutagenicity/Genotoxicity Data: Carbon black

Salmonella typhimurium assay (Ames test): Negative

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12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects. In a spill situation this material may be visually unpleasant; however, it is not expected to cause any adverse environmental effects.

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13. DISPOSAL CONSIDERATIONS

Can be incinerated when in compliance with local regulations. Contract with a licensed chemical disposal agency. Discharge, treatment, or disposal may be subject to national, state, or local laws.

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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

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16. OTHER INFORMATION

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US/Canadian Label Statements:

LOW HAZARD FOR RECOMMENDED HANDLING

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

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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 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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