

MATERIAL SAFETY DATA SHEET

200001065/F/USA - J-0002.900B

Approval Date: 06/17/1992

Print Date: 06/20/1992

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK HX Developer, Black

Catalog Number(s): 824 2547 - 1690 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 471130; PTN 921660 - 975 gram(s); PTN 921661 - 260 gram(s); J-0002.900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

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

10-15 Styrene acrylate copolymer (057516-68-4)

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

< 1 Carbon black (001333-86-4)

< 1 Methacrylate homopolymer (009011-14-7)

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.

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.

5. FIRE FIGHTING MEASURES

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

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Special Fire-Fighting Procedures: None

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

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

6. ACCIDENTAL RELEASE MEASURES

Sweep material onto paper and place in a fiber carton.

7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid breathing dust.

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."

Storage: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Carbon black: 3.5 mg/m³ TWA

OSHA (USA) Permissible Exposure Limit (PEL):

Carbon black: 3.5 mg/m³ 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

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

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: None

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: 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

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.

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.

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.

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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