

MATERIAL SAFETY DATA SHEET

000013166/F/USA
Approval Date: 07/20/1999
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK Digital Science Distributed Medical Imaging Cartridge 1

Catalog Number(s): 831 0138 - 30 ml

Supplier: EASTMAN KODAK COMPANY, Rochester, New York 14650

For Emergency Health, Safety & Environmental Information, call (585) 722-5151

For other information or to request an MSDS, call (800) 242-2424.

Synonym(s): F-0100.100

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

10-55	Water (007732-18-5)
10-25	Water soluble organic solvent (not available)
1-10	Dye (not available) (*)
0.1-10	Hydroxylated alkane (not available) (*)

* New Jersey Trade Secret: magenta, Registration No.: 80100451-5005

* New Jersey Trade Secret: cyan, Registration No.: 80100451-5007

* New Jersey Trade Secret: yellow, Registration No.: 80100451-5012

* New Jersey Trade Secret: hydroxylated alkane, Registration No.:

80100451-5004p

3. HAZARDS IDENTIFICATION

WARNING!

The toxicological properties of one or more components of this material have not been investigated and its handling and use may present additional hazards. EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING

HMIS Hazard Ratings:

Health - 1, Flammability - 1, Reactivity - 0, Personal Protection - A

NFPA Hazard Ratings:

Health - 1, Flammability - 1, Reactivity (Stability) - 0

NOTE: HMIS and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. The personal protection index is only intended for general guidance on personal protection equipment (PPE) that is suitable for the potential hazards of the material. PPE (e.g., respirators) may not be needed if engineering controls (e.g., local ventilation) are adequate. An asterisk (*), in the HMIS health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

4. FIRST-AID MEASURES

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

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

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

Ingestion: Drink 1-2 glasses of water. Seek medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

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

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide. Present in some formulations: Oxides of nitrogen, oxides of sulfur, hydrogen chloride.

Unusual Fire and Explosion Hazards: None, based on limited quantity of fluid contained in cartridge, however, ink is combustible.

6. ACCIDENTAL RELEASE MEASURES

Flush to sewer with large amounts of water. Otherwise, absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials.

Storage: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Hydroxylated alkane: 25 ppm Ceiling

OSHA (USA) Permissible Exposure Limit (PEL - 1971 Table Z-1 Values): Not established

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.

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Eye Protection: When handling a damaged cartridge, wear safety glasses with side shields (or goggles).

Skin Protection: When handling a damaged cartridge, wear impervious gloves.

Recommended Decontamination Facilities: Eye bath, washing facilities, safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Color: Cyan, magenta, yellow
Odor: Slight
Specific Gravity (water = 1): Not available
Vapor Pressure: Not available
Vapor Density (Air = 1): Not available
Volatile Fraction by Weight: Not available
Boiling Point: Not available
Solubility in Water: Complete
pH: 7.0-8.5
Flash Point: Not available

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

General: The toxicological properties of one or more components of this material have not been investigated and its handling and use may present additional hazards.

Inhalation: Not fully evaluated. Expected to be a low hazard for recommended handling.

Eyes: Not fully evaluated. May be irritating.

Skin: Not fully evaluated. May cause irritation.

Ingestion: Not fully evaluated. May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local

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laws. Can be incinerated when in compliance with local regulations.

14. TRANSPORT INFORMATION

For transportation information regarding this product call the Kodak Worldwide Transportation Hazmat Hot Line: (585) 722-2400 between 8 a.m. and 5 p.m. (Eastern Standard Time), Monday through Friday.

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

EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING

Keep out of reach of children

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.

R-1, S-1, F-1, C-0