

MATERIAL SAFETY DATA SHEET

JUN 06 1994

200000761/F/USA - F-0059.100C

Approval Date: 04/21/1993

Print Date: 04/24/1993

Page 1

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: KODAK DICONIX Plain Paper Cartridge / Black Ink

Catalog Number(s): 822 3893 - 1 Cartridge(s)
840 4386 - Bulk Pack

Manufacturer/Supplier: EASTMAN KODAK COMPANY, Dayton Operations, 3100 Research Boulevard, Dayton, Ohio 45420

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 965136; PTN 6038A; F-0059.100

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

< 48	Ethylene glycol (000107-21-1)
40-45	Water (007732-18-5)
< 5	Diethylene glycol (000111-46-6)
1-5	Black colorant (*)

* New Jersey Trade Secret: black colorant, Registration No.: 80100185-5019P

3. HAZARDS IDENTIFICATION

WARNING! CONTAINS: Ethylene glycol (000107-21-1)
CAN CAUSE KIDNEY DAMAGE
HARMFUL OR FATAL IF SWALLOWED

4. FIRST-AID MEASURES

Inhalation: If symptomatic, move 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 with soap and water. Get medical attention if symptoms occur.

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

E000777-2-03-04

MATERIAL SAFETY DATA SHEET

200000761/F/USA - F-0059.100C

Approval Date: 04/21/1993

Print Date: 04/24/1993

Page 2

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.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: None

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: 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):

Ethylene glycol: 50 ppm TWA Ceiling,

OSHA (USA) Permissible Exposure Limit (PEL):

Ethylene glycol: 50 ppm TWA Ceiling

Ventilation: Good general ventilation (typically 10 air changes 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.

MATERIAL SAFETY DATA SHEET

200000761/F/USA - F-0059.100C

Approval Date: 04/21/1993

Print Date: 04/24/1993

Page 3

Eye Protection: It is a good industrial hygiene practice to minimize eye contact. Wear safety glasses with side shields (or goggles).

Skin Protection: It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Recommended Decontamination Facilities: Washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid

Color: Black

Odor: Slight

Specific Gravity (water = 1): 1.080-1.086

Vapor Pressure at 20 C (68 F): 24 mbar (18 mm Hg)

Vapor Density (Air = 1): Not available

Volatile Fraction by Weight: > 90 %

Boiling Point: >100 C (>212 F)

Solubility in Water: Complete

pH: 9.6-10.0

Flash Point: None

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents

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: Low hazard for recommended handling.

Ingestion: Harmful or fatal if swallowed. Can cause kidney damage. May cause central nervous system depression.

Acute Toxicity Data:

E000777-2-02-04

MATERIAL SAFETY DATA SHEET

200000761/F/USA - F-0059.100C

Approval Date: 04/21/1993

Print Date: 04/24/1993

Page 4

Oral LD-50 (rat): > 5.0 g/kg
Dermal LD-50: > 2.0 mL/kg
Skin irritation: slight
Skin sensitization: negative
Eye irritation: slight

Mutagenicity/Genotoxicity Data:

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

Discharge, treatment, or disposal may be subject to national, state, or local laws. Flush to sewer with large amounts of water.

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.

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: Ethylene glycol, Diethylene glycol

MATERIAL SAFETY DATA SHEET

200000761/F/USA - F-0059.100C

Approval Date: 04/21/1993

Print Date: 04/24/1993

Page 5

16. OTHER INFORMATION

US/Canadian Label Statements:

CONTAINS: Ethylene glycol (000107-21-1)

WARNING!

CAN CAUSE KIDNEY DAMAGE


HARMFUL OR FATAL IF SWALLOWED

FIRST AID: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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.



E000777-2-01-04