

MATERIAL SAFETY DATA SHEET

Biology

EASTMAN KODAK COMPANY
343 State Street
Rochester, New York 14650

For Emergency Health, Safety, and Environmental Information, call 716-722-5151

Date of Preparation: 08/22/86

Kodak Accession Number: 900277

SECTION I. IDENTIFICATION

- Product Name: p-Xylene
- Synonym(s): 1,4-Dimethylbenzene
- Formula: C8 H10
- CAT No(s): 104 3546; 104 3579; 104 3629; 104 3702; 113 6100; 136 4488
136 4496; 136 4504; 185 9156
- Chem. No(s): 00277; 13071
- Kodak's Internal Hazard Rating Codes: R: 2 S: 2 F: 3 C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

COMPONENT(S):	Percent	ACGIH TLV(R)	CAS Reg. No.
p-Xylene	ca. 100	100 ppm	106-42-3

SECTION III. PHYSICAL DATA

- Appearance: Colorless liquid
- Boiling Point: 138 C (280 F)
- Vapor Pressure: 6.8 mmHg at 20 C (68 F)
- Evaporation Rate (diethyl ether): 9.9
- Volatile Fraction by Weight: ca. 100 %
- Specific Gravity (Water = 1): 0.86
- Solubility in Water (by Weight): Negligible

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 26 C (78 F) Setaflash closed cup
- Extinguishing Media: Water spray; Dry chemical; Carbon dioxide; Foam
- Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. USE WATER WITH CAUTION. Since this material is lighter than water and insoluble in water, the fire could easily be spread by the use of water in an area where the water could not be contained. Water may be ineffective in fighting fire. Use water spray to keep fire-exposed containers cool.
- Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation to an ignition source and may flash back.

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SECTION V. REACTIVITY DATA

- Stability: Stable
- Incompatibility: Strong oxidizers
- Hazardous Decomposition Products: 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: 100 ppm TLV, 150 ppm STEL, ACGIH 1985-86; OSHA PEL 100 ppm.
- B. EXPOSURE EFFECTS: Over-exposure may cause headache, fatigue, nausea, flushing and reddening of the face. In addition, disturbed vision, dryness, tremor, CNS depression, and respiratory difficulties have been reported. Liver and kidney injury have also been reported.
Inhalation: Harmful if inhaled.
Skin: Causes irritation. Harmful if absorbed through skin.
Eye: Causes irritation.
- C. FIRST AID:
Inhalation: Remove to fresh air. Treat symptomatically. If symptoms are present get medical attention.
Skin: Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if symptoms are present after washing.
Eye: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

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SECTION VII. VENTILATION AND PERSONAL PROTECTION

- A. VENTILATION:
Good general room ventilation should be used. Local exhaust may be needed.
- B. RESPIRATORY PROTECTION:
A NIOSH-approved organic vapor respirator should be worn, if needed.
- C. SKIN AND EYE PROTECTION:
Protective gloves and clothing should be worn. Safety glasses or goggles should be worn.

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SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Classified as a flammable liquid. Keep away from heat, sparks and flame. Use with adequate ventilation. Keep container closed. The mixing of cellulose esters and other organic solids in a nonpolar hydrocarbon may result in the buildup of static electricity which can cause flash fire or an explosion.

Comply with all federal, state and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids.
Keep from contact with oxidizing materials.

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SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

Remove all sources of ignition. Absorb material in vermiculite or other suitable absorbent and place in impervious container. Dispose by incineration or contract with licensed chemical waste disposal agency. Discharge, treatment, or disposal may be subject to federal, state or local laws.

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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.

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 the 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.

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