

MATERIAL SAFETY DATA SHEET

EASTMAN KODAK COMPANY
343 State Street
Rochester, New York 14650

Bio

For Emergency Health, Safety, and Environmental Information, call 716-722-5151
For all other purposes, call 800-225-5352, in New York State call 716-458-4014

Date of Preparation: 12/01/86

Kodak Accession Number: 901481

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SECTION I. IDENTIFICATION

- Product Name: Cumene
- Synonym(s): (1-Methylethyl)benzene; Isopropylbenzene
- Formula: C9 H12
- CAT No(s): 112 9642; 112 9659; 112 9667; 112 9675; 112 9683; 112 9691
- Chem. No(s): 01481
- Kodak's Internal Hazard Rating Codes: R: 2 S: 2 F: 3 C: 0-E

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SECTION II. PRODUCT AND COMPONENT HAZARD DATA

COMPONENT(S):	Percent	ACGIH TLV(R)	CAS Reg. No.
Cumene	ca. 100	50 ppm	98-82-8

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SECTION III. PHYSICAL DATA

- Appearance: Colorless liquid
- Boiling Point: 152 C (306 F)
- Vapor Pressure: 3.7 mmHg at 20 C (68 F)
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Volatile Fraction by Weight: ca. 100 %
- Specific Gravity (Water = 1): 0.87
- Solubility in Water (by Weight): Negligible

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SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 33 C (91 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 be moved by ventilation to an ignition source and flash back.

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R-0100.500A

86-7065

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SECTION V. REACTIVITY DATA

- **Stability:** Stable, however forms explosive peroxides which may be hazardous.
- **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: TLV 50 ppm, skin, ACGIH 1985-86; OSHA PEL 50 ppm, skin.

B. EXPOSURE EFFECTS:

Inhalation: Harmful if inhaled; may cause headaches, dizziness, and narcosis.

Skin: Causes irritation.

Eye: Causes irritation.

C. FIRST AID:

Inhalation: Remove to fresh air. Treat symptomatically. If symptoms are present, get medical attention. If not breathing, begin artificial respiration and call a physician immediately.

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, goggles, or a face shield should be worn.