

MATERIAL SAFETY DATA SHEET

EASTMAN KODAK COMPANY
343 State Street
Rochester, New York 14650

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 Revision: 08/02/88

Kodak Accession Number: 902396

SECTION I. IDENTIFICATION

- Product Name: 2,2,4-Trimethylpentane
- Synonym(s): Isooctane
- Formula: C8 H18
- CAT No(s): 114 2934; 114 5549; 114 5556; 114 5564; 114 5572; 103 0980;
103 6698; 116 7709; 116 7717; 136 3530; 136 3548; 136 3555;
186 3455; 186 3539; 120 3207; 120 3223; 120 7620; 129 8397;
136 4017; 136 4025; 136 4033; 186 3802; 186 3828
- Chem. No(s): 02396; 13039; 13054
- 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.
2,2,4-Trimethylpentane	ca. 100	---	540-84-1

SECTION III. PHYSICAL DATA

- Appearance and Odor: Clear colorless liquid; gasoline odor
- Boiling Point: 99 C (210 F)
- Vapor Pressure: 39 mmHg at 20 C (68 F)
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Volatile Fraction by Weight: ca. 100 %
- Specific Gravity (Water = 1): 0.69
- Solubility in Water (by Weight): Negligible

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: -12 C (10 F) Tag closed cup
- Extinguishing Media: Water spray; Dry chemical; Carbon dioxide; Foam
- Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. DANGER, EXTREMELY FALMMABLE, VAPORS MAY CAUSE FLASH FIRE. 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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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: 300 ppm-TWA, 375 ppm-STEL for octane, ACGIH 1985-86.
- B. EXPOSURE EFFECTS:
Inhalation: May cause drowsiness, dizziness or incoordination at high concentrations. May be irritating to mucous membranes.
Skin: Causes irritation.
Eye: Causes irritation.
Ingestion: Harmful if swallowed.
- C. FIRST AID:
Inhalation: Remove to fresh air. If not breathing give artificial respiration. 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.
Ingestion: Drink 1-2 glasses of milk or water; do not induce vomiting. Call a physician immediately.

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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

Keep from contact with oxidizing materials.
Material is extremely flammable. Vapors may ignite explosively. Prevent buildup of vapors to explosive concentrations. Use with adequate ventilation. Keep away from heat, sparks, and flame. Keep container closed. Comply with all federal, state and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids.

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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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