

Biology

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 Preparation: 09/30/86

Kodak Accession Number: 907108

SECTION I. IDENTIFICATION

- Product Name: Methyl Sulfoxide
- Synonym(s): Sulfinylbis(methane); DMSO
- Formula: C2 H6 O S
- CAT No(s): 114 3296; 119 0446; 119 0453; 119 0461; 119 0479; 119 0487;
119 0495; 119 0503; 104 3652; 116 6685; 116 6784; 127 2996;
136 3282; 136 3290; 136 3308; 136 3316; 136 3324; 101 9900;
101 9918; 101 9926; 120 3322; 120 3330; 120 3348; 136 5238;
136 5246; 136 5253; 136 5261; 156 8856; 178 7324; 180 2313
- Chem. No(s): 07108; 13034; 13096
- Kodak's Internal Hazard Rating Codes: R: 1 S: 2 F: 2 C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

COMPONENT(S):	Percent	ACGIH TLV(R)	CAS Reg. No.
Methyl Sulfoxide	ca. 100	---	67-68-5

SECTION III. PHYSICAL DATA

- Appearance: Colorless liquid
- Boiling Point: 189 C (372 F)
- Vapor Pressure: 0.4 mmHg at 20 C (68 F)
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Volatile Fraction by Weight: ca. 100 %
- Specific Gravity (Water = 1): 1.10
- Solubility in Water (by Weight): Appreciable

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 84 C (184 F) Setaflash closed cup
- Extinguishing Media: Water spray; Dry chemical; Carbon dioxide; Alcohol foam
- Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.
- Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

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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. Oxides of sulfur may also be present.
- Hazardous Polymerization: Will not occur.

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SECTION VI. TOXICITY AND HEALTH HAZARD DATA

- A. EXPOSURE LIMITS: Not established.
- B. EXPOSURE EFFECTS:
 - Inhalation: Low hazard for usual industrial handling.
 - Skin: Harmful if absorbed through skin. May carry other compounds through the skin.
 - Eye: May cause transient irritation.
- C. FIRST AID:
 - Inhalation: Remove to fresh air following overexposure.
 - 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 sufficient.
- B. RESPIRATORY PROTECTION:
 - None should be 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.
Classified as a combustible liquid. Keep away from heat and flame.

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SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

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.

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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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