

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: 05/05/86

Kodak Accession Number: 900032

SECTION I. IDENTIFICATION

- Product Name: Benzenesulfonyl Chloride
- Synonym(s): Benzene Sulfochloride
- Formula: C6 H5 Cl O2 S
- CAT No(s): 101 0347; 101 0354; 101 0404; 101 0503; 101 0552; 101 0636
- Chem. No(s): 00032
- Kodak's Internal Hazard Rating Codes: R: 2 S: 3 F: 1 C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

COMPONENT(S):	Percent	ACGIH TLV(R)	CAS Reg. No.
Benzenesulfonyl Chloride	ca. 100	---	98-09-9

SECTION III. PHYSICAL DATA

- Appearance: Colorless oily liquid
- Boiling Point: 265 C (509 F)
- Vapor Pressure: 0.06 mmHg at 20 C (68 F)
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Volatile Fraction by Weight: ca. 100 %
- Specific Gravity (Water = 1): 1.348
- Solubility in Water (by Weight): Negligible

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 123 C (253 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.
- Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

SECTION V. REACTIVITY DATA

- Stability: Stable
- Incompatibility: Strong oxidizers; dimethylsulfoxide, methylformamide
- Hazardous Decomposition Products: Combustion will produce carbon dioxide and probably carbon monoxide. Hydrogen chloride gas and 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: Vapor irritating to respiratory tract.  
Skin: Causes severe burns.  
Eye: Causes severe burns.
- 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.  
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. Goggles or a face shield should be worn.

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SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Keep from contact with oxidizing materials, dimethylsulfoxide, and methylformamide.

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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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