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: 12/23/88 Kodak Accession Number: 900488

SECTION I. IDENTIFICATION

- Product Name: Acetonitrile
- Synonym(s): Methyl Cyanide; Ethyl Nitrile
- Formula: C2 H3 N
- CAT No(s): 106 3031; 106 3056; 106 3072; 106 3098; 106 3114; 114 4336; 114 7180; 114 7198; 116 8434; 116 8590; 128 3530; 136 2102; 136 2110; 136 2128; 136 2136; 136 2144; 136 5394; 136 5402; 136 5410; 142 7533; 164 5167; 186 1962; 186 4735; 186 4818; 186 4941; 186 9718
- Chem. No(s): 00488; 13008; 13102
- 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.
Acetonitrile	ca. 100	40 ppm (skin)	75-05-8

SECTION III. PHYSICAL DATA

- Appearance: Colorless liquid
- Boiling Point: 80 C (176 F)
- Vapor Pressure: 72 mmHg at 20 C
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Volatile Fraction by Weight: ca. 100 %
- Specific Gravity (Water = 1): 0.79
- Solubility in Water (by Weight): Appreciable

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 7 C (45 F) Tag closed cup
- Extinguishing Media: Water spray; Dry chemical; Carbon dioxide
- 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: 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. Fire or excessive heat may produce hazardous decomposition products.

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SECTION V. REACTIVITY DATA

- Stability: Stable
- Incompatibility: Strong oxidizers and acids
- Hazardous Decomposition Products: Combustion will produce carbon dioxide and probably carbon monoxide. Thermal decomposition may produce cyanide fumes.
- Hazardous Polymerization: May occur upon heating with acids.

SECTION VI. TOXICITY AND HEALTH HAZARD DATA

- A. EXPOSURE LIMITS: TLV 40 ppm, 8-h TWA, STEL 60 ppm, ACGIH 1988-89. OSHA PEL 40 ppm, STEL 60 ppm.
- B. EXPOSURE EFFECTS: Effects due to exposure to this compound may be delayed, and include flushing of the face and tightness of the chest; symptoms of exposure to high concentrations may be nausea, vomiting, weakness, chest and abdominal pain, and convulsions.

Inhalation: Harmful if inhaled.

Skin: Harmful if absorbed through the skin.

Eye: Causes irritation.

C. FIRST AID: (Note to physician: Severe exposure should be treated as cvanide poisoning.)

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.

SECTION VII. VENTILATION AND PERSONAL PROTECTION

VENTILATION:

Good general room ventilation and local exhaust should be used.

- RESPIRATORY PROTECTION:
 - A NIOSH-approved organic vapor respirator should be worn, if needed.
- SKIN AND EYE PROTECTION:

Protective gloves and clothing should be worn. Safety glasses or aggales should be worn.

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. Comply with all federal, state and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids. Keep container tightly closed and away from acid. 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.

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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