

## 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: 12/15/88

Kodak Accession Number: 902606

## SECTION I. IDENTIFICATION

- Product Name: Polyvinyl Alcohol (99-100% Hydrolyzed)
- Synonym(s): Ethanol Homopolymer
- Formula:  $(C_2H_4O)_x$
- CAT No(s): 153 9709; 186 0436
- Chem. No(s): 02606
- Kodak's Internal Hazard Rating Codes: R: 1 S: 1 F: 1 C: 0

## SECTION II. PRODUCT AND COMPONENT HAZARD DATA

COMPONENT(S):	Percent	ACGIH TLV(R)	CAS Reg. No.
Polyvinyl Alcohol (99-100% Hydrolyzed)	ca. 100	---	9002-89-5

## SECTION III. PHYSICAL DATA

- Appearance: White powder
- Melting Point: 220 C (428 F)
- Vapor Pressure: Negligible
- Evaporation Rate (n-butyl acetate = 1): Negligible
- Volatile Fraction by Weight: Negligible
- Specific Gravity (Water = 1): Not Available
- Solubility in Water: Appreciable

## SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: Not Applicable
- Extinguishing Media: Water spray; Dry chemical; Carbon dioxide
- Special Fire Fighting Procedures:
- Unusual Fire and Explosion Hazards: This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

## 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: Not established.
- B. EXPOSURE EFFECTS:  
Inhalation: Low hazard for usual industrial handling.  
Skin: Low hazard for usual industrial handling.  
Eye: No specific hazard known. Contact may cause transient irritation.  
Ingestion: Expected to be a low ingestion hazard.
- C. FIRST AID:  
Inhalation: Remove to fresh air following overexposure.  
Skin: Wash after each contact.  
Eye: Flush eyes with plenty of water.  
Ingestion: Drink 1-2 glasses of water. Seek medical attention.
- D. TOXICITY DATA:  
Rats were fed a dietary level of 4 percent polyvinyl alcohol increased to 8 and then 29 percent at 2-week intervals; two were sacrificed at 4 weeks. The two surviving rats that received the higher dose level showed microscopic tissue changes in the liver, stomach, and sternum. Not irritating to rabbit or human eyes.

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## SECTION VII. VENTILATION AND PERSONAL PROTECTION

- A. VENTILATION AND RESPIRATORY PROTECTION:  
Good ventilation\* should be sufficient. Supplementary ventilation or respiratory protection may be needed in special circumstances.
- \* Typically ten room volumes per hour is considered good general ventilation; ventilation rates should be matched to conditions of use.
- B. SKIN AND EYE PROTECTION:  
Safety glasses recommended in industrial operations involving chemicals. If prolonged or repeated skin contact is necessary, gloves or other protection may be required.

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## SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Keep from contact with oxidizing materials.

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## SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

Sweep up material and package for safe feed to an incinerator.  
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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SECTION X. ADDITIONAL INFORMATION

WHMIS STATUS: Noncontrolled Product

For transportation information regarding this material, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 588-9232; Oak Brook, IL (312) 954-6000; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 693-5222; 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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