



## Material Safety Data Sheet

Date Printed: 02/25/2008  
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Version 1.50

### Section 1 - Product and Company Information

**Product Name** Poly(vinyl acetate)  
**Product Number** 189480  
**Brand** Aldrich Chemical

**Company** Sigma-Aldrich  
**Street Address** 3050 Spruce Street  
**City, State, Zip, Country** SAINT LOUIS, MO 63103 US  
**Technical Phone:** 800-325-5832  
**Fax:** 800-325-5052

**Emergency Phone:** 314-776-6555

### Section 2 - Composition/Information on Ingredient

<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>	<u>EC no</u>	<u>Annex I Index Number</u>
POLY(VINYL ACETATE)	9003-20-7	No		

**Formula** C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>  
**Synonyms** Acetic acid ethenyl ester homopolymer (9CI), Asahisol 1527, ASB 516, AYAA, AYAF, AYJV, Bakelite AYAA, Bakelite AYAF, Bakelite AYAT, Bakelite LP 90, Bond CH 3, Bond CH 18, Bond CH 1200, Booksaver, Borden 2123, Cascarez, Cemedine 196, Cevian 380, Cevian A 68, D 50, Danfirm, Daratak, DCA 70, D 50 M, D 50 (Polymer), Duvilax, Duvilax BD 20, Duvilax HN, Duvilax LM 52, Elmer's Glue All, Elvacet 81-900, Emultex F, Encor, EP 1208, EP 1436, EP 1437, EP 1463, Esnil P 18, Everflex B, Formvar 1285, Gelva, Gelva 25, Gelva CSV 16, Gelva GP 702, Gelva S 55H, Gelva TS 22, Gelva TS 23, Gelva TS 30, Gelva TS 85, Gelva V 15, Gelva V 25, Gelva V 100, Gelva V 800, Gohensil E 50Y, Gohsenyl E 50 Y, Kurare OM 100, Lemac, Lemac 1000, Meikatex 5000NG60, Merckogel OR, Merckogen 6000, Mokotex D 2602, Movinyl, Movinyl 114, Movinyl 801, Movinyl 50M, Mowilith 30, Mowilith 50, Mowilith 70, Mowilith 90, Mowilith D, Mowilith DV, Mowilith M70, National 120-1207, National starch 1014, NS 2842, OM 100, OR 1500, R 70, Picroform F, Piyamul 40-155, Piyamul 40-350, Polisol S-3, Polycy 953, Polycy 2116, Polycy 2134, Polycy 117FR, Polyfox P 20, Polyfox PO, Polysol 1000, Polysol 1200, Polysol 1000AX, Polysol PS 10, Polysol S 5, Polysol S 6, Poly(vinylacetate), Protex (polymer), PS 3h, PVAE, R 10688, Raviflex 43, 76 Res, Resyn 25-1014, Resyn 25-1025, Rhodopas, Rhodopas 010, Rhodopas 5425, Rhodopas A 10, Rhodopas AM 041, Rhodopas B, Rhodopas BB, Rhodopas HV 2, Rhodopas M, Rhodopas 5000SMR, RV225-5B, Sakunol SN 08, S-Nyl-P 42, Soloid, Soviet, SP 60, SP 60(Ester), Toabond 2, Toabond 6, Toabond 40H, TS2, Ucar 15, Ucar 130, UK 131, V 501, VA 0112, Vinac, Vinac ASB 10, Vinac B 7, Vinac RP251, Vinacet D, Vinalite D 50N, Vinalite DS 41/11, Vinarnul 9300, Vinapol A 15, Vinipaint 555, Vinnapas B, Vinnapas B 17, Vinnapas B 100, Vinnapas UW 50, Vinyl acetate homopolymer, Vinyl acetate polymer, Vinyl acetate resin, Vinylite AYAF, Vinylite AYAT, Vinyl products R 10688, Wikol, Winacet D

### Section 3 - Hazards Identification

**HMIS Rating**  
Health: 0 Flammability: 0 Reactivity: 0

**NFPA Rating**  
Health: 0 Flammability: 0 Reactivity: 0

For additional information on toxicity, please refer to Section 11.

### Section 4 - First Aid Measures

#### Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### Inhalation Exposure

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water.

#### Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### Section 5 - Fire Fighting Measures

**Autoignition Temp:** 427 °C

#### Extinguishing Media Suitable

Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

#### Firefighting

##### Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

##### Specific Hazard(s)

Emits toxic fumes under fire conditions.

##### Specific Method(s) of Fire Fighting

Use water spray to cool fire-exposed containers.

### Section 6 - Accidental Release Measures

#### Procedure(s) of Personal Precaution(s)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

#### Methods for Cleaning Up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### Section 7 - Handling and Storage

#### Handling

##### User Exposure

Avoid inhalation, Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

#### Storage

##### Suitable

Keep tightly closed. Store at 2-8°C

### Section 8 - Exposure Controls / PPE

#### Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

#### Personal Protective Equipment

##### Respiratory

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type

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Health

(EU) Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

**Hand**

Protective gloves.

**Eye**

Chemical safety goggles.

**General Hygiene Measures**

Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

**Appearance**

**Physical State**

Solid

**Molecular Weight** N/A

**pH** N/A

**BP/BP Range** N/A

**MP/MP Range** N/A

**Freezing Point** N/A

**Vapor Pressure** N/A

**Vapor Density** N/A

**Saturated Vapor Conc.** N/A

**SG/Density** 1.191 g/cm3

**Bulk Density** N/A

**Odor Threshold** N/A

**Volatile%** N/A

**VOC Content** N/A

**Water Content** N/A

**Solvent Content** N/A

**Evaporation Rate** N/A

**Viscosity** N/A

**Partition Coefficient** N/A

**Decomposition Temp.** N/A

**Flash Point °F** N/A

**Flash Point °C** N/A

**Explosion Limits** N/A

**Flammability** N/A

**Autoignition Temp** 427 °C

**Refractive Index** 1.467

**Solubility** N/A

N/A = not available

## Section 10 - Stability and Reactivity

**Stability**

**Materials to Avoid**

Strong oxidizing agents. Strong bases

**Hazardous Decomposition Products**

**Hazardous Decomposition Products**

Carbon monoxide, Carbon dioxide

**Hazardous Polymerization**

**Hazardous Polymerization**

Will not occur.

## Section 11 - Toxicological Information

**Route of Exposure**

**Skin Contact**

May cause skin irritation.

**Skin Absorption**

May be harmful if absorbed through the skin.

**Eye Contact**

May cause eye irritation.

**Inhalation**

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Ingestion**

May be harmful if swallowed.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**RTECS Number:** AK0920000

**Chronic Exposure - Carcinogen**

Result: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

**IARC Carcinogen List**

Rating

Group 3

## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

**Appropriate Method of Disposal of Substance or Preparation**

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

## Section 14 - Transport Information

**DOT**

**Proper Shipping Name:** None

**Non-Hazardous for Transport** This substance is considered to be nonhazardous for transport.

**IATA**

**Non-Hazardous for Air Transport** Non-hazardous for air transport.

## Section 15 - Regulatory Information

**United States Regulatory Information**

**SARA Listed:** No

**TSCA Inventory Item:** Yes

**Canada Regulatory Information****WHMIS Classification**

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

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**Section 16 - Other Information**

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**Disclaimer**

For R&D use only. Not for drug, household or other uses.

**Warranty**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SigmaAldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2008 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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