



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Polyvinyl Alcohol USP

30-3120

Section 1: Identification

Product Name Polyvinyl Alcohol USP
Commercial Name Not available.
Product Use Manufacture of substances
Restrictions On Use Not available.

Product Code 30-3120

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, Oral (Category 4)
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.
Response P301 P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P330 Rinse mouth.
Storage Not available.
Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Polyvinyl alcohol
% By Weight 100
CAS# 9002-89-5
Molecular Weight Not available.
Chemical Formula (CH₂CHOH)_n
Synonym(s) Ethenol, Homopolymer; PVA; PVOH

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|-------------------|-----------|-------------|----------------|----------------|
| Polyvinyl alcohol | 9002-89-5 | 100 | Not available. | Not available. |



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Section 4: First-Aid Measures

| | |
|------------------------------------|--|
| Inhalation | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| Skin Contact | Wash off with soap and plenty of water. |
| Eye Contact | Flush eyes with water as a precaution. |
| Ingestion | Never give anything by mouth to an unconscious person. Rinse mouth with water. |
| Symptoms/Effects | |
| Acute | Not available. |
| Delayed | Not available. |
| Immediate Medical Attention | |
| Not available. | |

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon oxides

Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary. Under fire conditions, material may decompose to form flammable and/or explosive mixtures in air.

Section 6: Accidental Release Measures

Personal precautions: Avoid dust formation. Avoid breathing vapors, mist or gas. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

| | |
|-----------------------------|---|
| Exposure Limits | Not available. |
| Engineering Controls | Not available. |
| Personal Protection | Respiratory protection: 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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. |

Section 9: Physical and Chemical Properties

| | | | |
|---|---------------------------|--|-----------------|
| Appearance | WHITE OF OFF WHITE solid. | | |
| Odor | CHARACTERISTIC | | |
| Odor Threshold | Not available. | | |
| Melting Point | (°C) 200 | pH | Not available. |
| Freezing Point | Not available. | Vapor Pressure | Not applicable. |
| Boiling Point/Range | Not available. | Vapor Density | Not available. |
| Decomposition temperature | Not available. | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | Not available. | Evaporation Rate | Not available. |
| Flash Point | (°F) Closed cup 175 | Autoignition temperature | Not available. |
| Flammability | Not available. | Flammability or Explosive Limits: | |
| | | Lower | Not available. |
| | | Upper | Not available. |
| Solubility(ies) | SOLUBLE in water. | | |
| Other | Density @25 °C 1.250 | | |

Section 10: Stability and Reactivity

| | |
|---|---|
| Reactivity | Not available. |
| Chemical Stability | Stable under recommended storage conditions. |
| Hazardous Polymerization | Not available. |
| Conditions to Avoid | Exposure to light may affect product quality. |
| Incompatible Materials | Strong oxidizing agents |
| Hazardous Decomposition Products | Carbon oxides |

Section 11: Toxicological Information
RTECS TR8100000

Acute Toxicity

Oral LD50 - rat - > 20,000 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex).
Behavioral:Somnolence (general depressed activity). Behavioral:Muscle weakness. Inhalation LC50 - no data available Dermal
LD50 - no data available

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Ingestion. Inhalation.



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Symptoms Related to Exposure

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

Potential Health Effects

May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.

Target Organ(s) Not available.

Section 12: Ecological Information

Ecotoxicity

Not available.

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations

Waste Disposal

Offer surplus and non-recyclable solutions to a licensed disposal company

Disposal of Container

Dispose of as unused product

Other Considerations

Not available.

Section 14: Transport Information

DOT Classification

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

OSHA Hazards No known OSHA hazards. SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards No SARA hazards Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components CAS-No. Revision Date Ethanol, homopolymer 9002-89-5 New Jersey Right To Know Components CAS-No. Revision Date Ethanol, homopolymer 9002-89-5 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other

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WHMIS Not controlled under WHMIS (Canada). (Canada);DSCG (EEC) This product is not classified according to the EU regulations.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Safety glasses. OSHA Hazards No known OSHA hazards. SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards No SARA hazards Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components CAS-No. Revision Date Ethenol, homopolymer 9002-89-5 New Jersey Right To Know Components CAS-No. Revision Date Ethenol, homopolymer 9002-89-5 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Penta's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in this MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.