

## PVP

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	PVP	<b>Distributor:</b>	XI'AN AOGU BIOTECH CO.,LTD
<b>Synonyms:</b>	No data available	<b>Address:</b>	No.32,East Section of Jinye Road, Yanta District,Xi'an Shaanxi 710065 China
<b>INCI Name:</b>	Polyvinylpyrrolidone	<b>Phone / Fax:</b>	0086-29-89121514
<b>CAS Number:</b>	9003-39-8		
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	0086-18091843361

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not a dangerous substance according to GHS												
<b>Signal Word:</b>	CAUTION												
<b>GHS Hazard Statements:</b>	None												
<b>GHS Precautionary Statements:</b>	None												
<b>Potential Health Hazards:</b>	Eyes: Not expected to be irritant. Inhalation: Not expected to be irritant. Skin: Not expected to be irritant. Ingestion: May cause respiratory tract irritation.												
<b>NFPA Ratings (704):</b>	<table border="0"> <tr> <td>Health</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	1	Slight											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	N/A												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
2-Pyrrolidinone, 1-ethenyl-, homopolymer	9003-39-8	95-100%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Flush with plenty of water. Seek medical attention if necessary.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Get medical attention.
<b>Skin:</b>	Wash off with soap and water. Seek medical attention if necessary.
<b>Ingestion:</b>	If conscious, give 2 glasses of water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get immediate medical attention.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (dry powder, foam, carbon dioxide) for adjacent fire. Do not use direct water jet.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	Not determined
<b>Specific hazards arising from the chemical:</b>	May form explosive dust-air mixture. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<p><b>Personal precautions, protective equipment &amp; emergency procedures:</b></p> <p><b>Environmental precautions:</b></p> <p><b>Methods and material for containment and cleaning up:</b></p>	<p>Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.</p> <p>Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.</p> <p>Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid dust accumulation in enclosed space.</p>
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## 7 HANDLING & STORAGE

<p><b>Precautions for safe handling:</b></p> <p><b>Conditions for safe storage, incl. any incompatibilities:</b></p>	<p>Avoid dust formation. Avoid dust accumulation in enclosed space. Avoid breathing dusts. Wash thoroughly after handling. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.</p> <p>Keep container tightly closed. Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).</p>
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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
2-Pyrrolidinone, 1-ethenyl-, homopolymer	Not available		

TWA: Time Weighted Average over 8 hours of work .  
 TLV: Threshold Limit Value over 8 hours of work .  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Safety glasses should be worn.
<b>Inhalation:</b>	Use only in well-ventilated areas. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use.
<b>Body:</b>	Protective gloves should be worn. Suitable protective clothing should be worn.
<b>Other:</b>	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder	<b>Vapor Pressure:</b>	Not determined
<b>Odor:</b>	Not determined	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Off-white	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH (5% Solution):</b>	5.0-9.0	<b>Flash Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	Not determined	<b>Solubility in Water:</b>	No data available
<b>Bulk Density:</b>	0.3-0.4 g/cc	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Hazardous Polymerization:</b>	No data available
<b>Conditions to Avoid:</b>	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid dust formation.

**Incompatible Materials:** Avoid dust accumulation in enclosed space.  
Strong oxidizing agents, reducing agents.

**Hazardous Decomposition Products:** Nitrogen Oxides (NOx)

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available

**Skin:** LD50 not determined

**Eyes:** No data available

**Respiratory:** No data available

**Ingestion:** LD50: >10000 mg/kg

**Carcinogenicity:** No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

**Teratogenicity:** No evidence of teratogenicity.

**Germ Cell Mutagenicity:** Non-mutagenic

**Embryotoxicity:** No evidence of embryotoxicity.

**Specific Target Organ Toxicity:** No data available

**Reproductive Toxicity:** No data available

**Respiratory/Skin Sensitization:** No data available

**Corrosivity:** No data available

**Sensitization:** Non-sensitizing

**Irritation:** No data available

**Repeated Dose Toxicity:** No data available

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity**

**Aquatic Vertebrate:** LC50: >1000 mg/L (Juvenile Turbot) (96h)  
Salmon: PVP at up to 5% in the diet during smolt produced no signs of toxicity. PVP at up to 5% in the diet for 112 days did not produce any signs of toxicity.

**Aquatic Invertebrate:** LC50: >1000 mg/L (Corophium Volutator) (10d)

**Terrestrial:** EC50: >1000 mg/L (Marine algae) (72h)

**Persistence and Degradability:** Not readily biodegradable (11% after 28d)

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**PBT and vPvB Assessment:** No data available

**Other Adverse Effects:** No data available

## 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

**Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

**DOT (Dept. of Transportation, USA):** Not regulated

**TDG (Transportation of Dangerous Goods, Canada):** No data available

**IMDG (International Maritime Dangerous Goods):** Not regulated

**IATA (International Air Transport Association):** Not regulated

**ICAO (International Civil Aviation Organization):** No data available

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	This product and/or its components are listed or exempt from the TSCA inventory.
<b>DSCL (EEC):</b>	This product and/or its components are listed or exempt from the DSL inventory.
<b>WHMIS (Canada):</b>	None of the components of this product is listed on WHMIS Ingredient Disclosure list.
<b>EU EINECS/ELINCS/NLP:</b>	This product and/or its components does not comply with EINECS/ELINCS.
<b>China IECSC:</b>	No data available
<b>China IECIC (06.30.2014):</b>	No data available
<b>Australia AICS:</b>	This product and/or its components are listed or exempt from the AICS Inventory.
<b>Japanese ENCS:</b>	This product and/or its components are listed or exempt from the ENCS.
<b>Philippines PICCS:</b>	No data available
<b>Korea KECL:</b>	No data available
<b>California Prop 65:</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
<b>Chemicals Substances EPCRA (SARA Title III):</b>	Not applicable

### 16 OTHER INFORMATION

<b>Revision Date:</b>	25-Mar-2021
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.