

# MATERIAL SAFETY DATA SHEET

## 1、Product and Company Identification

Product name : Polyvinyl Alcohol
Synonyms : PVA, PVOH, PVAL
Recommended use and restrictions on use : Warp sizing agent,Resin finishing agent,Adhesive for screen printing,Packing materials.....
Supplier detail : YUCHENG JINHE INDUSTRIAL CO., LTD ADD: NO. 5 EAST JIANKANG ROAD, YUCHENG, CHINA
Emergency phone number : Tel: +86-0371-86107227

## 2、Hazards Identification

Hazard classification :
Warning information :
GHS label :
Signal word :
Hazard statement :
Precautionary statement : Polyvinyl Alcohol is none toxic,avoid big quantity PVA contact with eyes and skin
Other hazards :

## 3、Composition / Information on Ingredients

Substances
Product name : Polyvinyl Alcohol
Synonyms : PVA, PVOH, PVAL
CAS Number : BP type: 25213-24-5 BF type:9002—89-5
ingredients : 95

## 4、First-Aid Measures

First-aid measures for different exposure routes :
Inhalation : Remove to fresh air. Get medical attention for any breathing difficulty.
Skin Contact : Wash exposed area with soap and water.
Eye Contact : Wash thoroughly with running water. Get medical advice if irritation develops.
Ingestion : If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.
Most important symptoms and hazardous effects : No

Protection of First-aiders : Wear cloth
Notes to Physician : No information available

## 5 · Fire-Fighting Measures

<p><b>Extinguishing Media :</b> As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Minimum dust cloud ignition temperature: 440°C.</p>
<p><b>Fire and Explosion Hazards :</b> Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosion concentration 35 g/m<sup>3</sup>. Maximum explosion pressure: 6.26 kg/cm<sup>2</sup>.</p>
<p><b>Special Firefighting Procedures :</b> Not required.</p>
<p><b>Special Equipment for the Protection of Firefighters :</b> In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.</p>

## 6 · Accidental Release Measures

<p><b>Personal Precautions :</b> Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.</p>
<p><b>Environmental Precautions :</b> Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water.</p>
<p><b>Methods for Cleaning Up :</b> Pick up spill for recovery or disposal and place in a closed container.</p>

## 7 · Safe Handling and Storage Measures

<p><b>Handling :</b> Avoid dust formation and control ignition sources. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process capable of generating dust and/or static electricity.</p>
<p><b>Storage :</b> Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Separate from incompatibilities.</p>

## 8 · Exposure Controls / Personal Protection

<p><b>Engineering Measure :</b> Limit values: No information available Biological Standards: No information available</p>			
<b>Control Parameters</b>			
8 hours time weighted average exposure limits TWA	Short-term exposure limits STEL	Maximum exposure limits CEILING	biological standards
-	-		

Personal protective equipment : Eyeglasses, gloves, helmet, mask, safety shower, eye wash fountain. <ul style="list-style-type: none"> <li>• Respiratory protection :</li> <li>• Hand protection : cloth gloves.</li> <li>• Eye protection : Glasses</li> <li>• Skin and body protection : Wear cloth to cover body</li> </ul>
Specific hygiene measures : - -

## 9、Physical and Chemical Properties

Appearance(physical state, color, etc.) : solid	Odor : Mild odor
Odor threshold : -	Melting point : 230°C -240°C
pH : 2.4( 1M/1L water)	Boiling point/boiling Range : - °C
Flammability : -	Flash point & method : - °C
Decomposition temperature : >220	used :
Autoignition temperature : -l)	Explosion limits : No information available
Vapor pressure : -	Vapor density : 2.07(Air=1)
Density : 1.23 - 1.31	Solubility : Moderately soluble.
Partition coefficient n-octanol/water : -	Evaporation rate : -

## 10、Stability and Reactivity

Stability : Stable under normal conditions.
Possible Hazardous Reactions Occurring under Specific Conditions : Hazardous Polymerization: Will not occur
Conditions to Avoid : Heat, flame, ignition sources, dusting and incompatibles.
Materials to Avoid : Strong oxidizers.
Hazardous Decomposition Products : Complete combustion will emit carbon dioxide and water when heated to decomposition. Incomplete combustion gives in addition carbon monoxide and oxidation products, including organic acids, aldehydes and alcohol.

## 11、Toxicological Information

Routes of exposure(inhalation, ingestion, skin and eye contact) :
Symptoms :
Acute toxicity : Oral rat LD50: > 5000 gm/kg; practically nontoxic to animals by ingestion.
Chronic Toxicity or delayed Toxicity : Polyvinyl Alcohol is not classifiable as to (its) carcinogenicity in humans".

## 12、Ecological Information

Ecotoxicity : LC50 ( fish ) : 40000 PPM/96H EC50 ( Aquatic Invertebrates ) : 50000 PPM/48H BCF : -
Persistence and degradability : No information available
Bioaccumulative potential : No bioaccumulative
Mobility in soil : No information available
other adverse effect : -

## 13、Disposal Considerations

Recommended Methods for Safe and Environmentally Preferred Disposal : Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of as a non-hazardous solid waste.
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## 14、Transport Information

UN number : This product is not classified as dangerous goods according to the international regulations for transport by land, inland waterway, sea and air. PVA is non-hazardous material according to IATA.
UN proper shipping name : No information available
Transport hazard class : No information available
Packing group : No information available
Marine pollution : No information available
Specific precautionary transport measures and conditions : No information available

## 15、Regulatory Information

Applicable Regulations :				
Ingredient\Area	TSCA	EC	Japan	Australia
Methyl Alcohol (67-56-1)	Yes	Yes	Yes	Yes
Polyvinyl Alcohol (9002-89-5)	Yes	No	Yes	Yes

## 16、Other Information

Literature references : PVA manual
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