

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 : HENAN CHUANGE INDUSTRY CO.,LTD
Emergency phone number : Tel: +86-0371-86550988

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>Extinguishing Media : 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>Fire and Explosion Hazards : 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/m³. Maximum explosion pressure: 6.26 kg/cm².</p>
<p>Special Firefighting Procedures : Not required.</p>
<p>Special Equipment for the Protection of Firefighters : 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>Personal Precautions : Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.</p>
<p>Environmental Precautions : 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>Methods for Cleaning Up : Pick up spill for recovery or disposal and place in a closed container.</p>

7 · Safe Handling and Storage Measures

<p>Handling : 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>Storage : 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>Engineering Measure : Limit values: No information available Biological Standards: No information available</p>			
Control Parameters			
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"> • Respiratory protection : • Hand protection : cloth gloves. • Eye protection : Glasses • Skin and body protection : Wear cloth to cover body
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.
--

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
Organization Name : HENAN CHUANGE INDUSTRY CO.,LTD. Address/Telephone : +86-371-86550988
Person who prepared the GHS Title : Engineer Name : MING ZHANG
Date the GHS was prepared : 2020/8/12 10:58:08 AM Revised Version : 2020/8/12 10:58:08 AM

