



优塑  
YOUSU

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## MATERIAL SAFETY DATA SHEET

YOUSU 3D printing UV photosensitive resin  
Guangzhou Yousu 3D Technology Co., Ltd.

### Section 1. Product and Company Identification

#### Product identifier

##### Product Name:

Poly(vinyl alcohol)

##### Recommended use:

3D model printing for 3D printers

#### Detail of the supplier of the safety data sheet

##### Manufacture/Supplier:

Guangzhou Yousu 3D Technology Co., Ltd.

##### Address:

Building 1, No.4 Linxin Road, Xiancun Town, Zengcheng District, Guangzhou, Guangdong, China

##### Emergency number:

+86-020-29015987

##### E-mail:

F-sales@ysfilament.com

##### Website:

<http://www.ysfilament.com>

### Section 2. Hazards Identification

#### GHS classification

##### PHYSICAL HAZARDS

Not classified

##### HEALTH HAZARDS

Not classified

##### ENVIRONMENTAL HAZARDS

Not classified

#### GHS label elements, including precautionary statements

##### Pictograms or hazard symbols



##### Signal word

No signal word

##### Hazard statements

None

**MATERIAL SAFETY DATA SHEET**YOUSU 3D printing UV photosensitive resin  
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None

**Section 3. Composition/Information on Ingredients**

Chemical name or trivial, common or generic name	CAS No.	Content(%)
Poly(vinyl alcohol)	9002-89-5	95~97
Assistant	-	0.1~3

**Section 4. First-aid Measures****Inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical advice/attention if you feel unwell.

**Skin contact:**

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:**

Get medical advice/attention if you feel unwell. Rinse mouth.

**Protection of first-aiders:**

A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.

**Section 5. Fire-fighting Measures****Suitable extinguishing media:**

Dry chemical, foam, water spray, carbon dioxide.

**Precautions for firefighters:**

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

**Special protective equipment for firefighters:**

When extinguishing fire, be sure to wear personal protective equipment.



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### Sections 6. Accidental release measures

#### Personal precautions:

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Entry to non-involved personnel should be controlled around the leakage area by protective equipment and emergency procedures: roping off, etc.

#### Environmental precautions:

Prevent product from entering drains.

#### Methods and materials for containment and cleaning up:

Sweep dust to collect it into an airtight container, taking care not to disperse it.

Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

### Sections 7. Handling and storage

#### Precautions for safe handling

##### Technical measures:

Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

##### Advice on safe handling:

Avoid contact with skin, eyes and clothing.

#### Conditions for safe storage, including any incompatibilities

##### Storage conditions:

Keep container tightly closed. Store in a cool and dark place.

Store away from incompatible materials such as oxidizing agents.

##### Packaging material:

Comply with laws.

### Sections 8. Exposure controls personal protection

#### Engineering controls:

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

#### Personal protective equipment

##### Respiratory protection:

Dust respirator. Follow local and national regulations.

##### Hand protection:

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Protective gloves.

**Eye protection:**

Safety glasses. A face-shield, if the situation requires.

**Skin and body protection:**

Protective clothing. Protective boots, if the situation requires.

**Sections 9. Physical and chemical properties**

Physical state	Solid	Melting point/freezing point:	No data available
(20°C):			
Form:	/	Flash point:	No data available
Colour:	/	Odour:	No data available
pH:	No data available	Relative density:	No data available
Flammability or explosive limits:	Lower: No data available Upper: No data available	Solubility(ies):	[Water] Very slightly soluble [Other solvents] No data available
Boiling point/range:	No data available	Other data:	Degree of saponification: ca.80%

**Sections 10. Stability and reactivity****Chemical stability:**

Stable under proper conditions.

**Possibility of hazardous reactions:**

No special reactivity has been reported.

**Incompatible materials:**

Oxidizing agents

**Hazardous decomposition products:**

Carbon monoxide, Carbon dioxide

**Sections 11. Toxicological information****Acute Toxicity:**

ipr-mus LD50: 2000 mg/kg

orl-mus LD50: &gt;4000 mg/kg

orl-rat LD50: &gt;20 g/kg

rec-mus LD50: &gt;1000 mg/kg

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No data available

**Serious eye damage/irritation:**

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

No data available

**Reproductive toxicity:**

No data available

**Sections 12. Ecological information****Ecotoxicity:**

No data available

**Persistence / degradability:**

No data available

**potential(BCF):**

/

**Log Pow:**

No data available

**Soil adsorption (Koc):**

No data available

**Sections 13. Disposal considerations**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

**Sections 14. Transport information****Hazards Class:**

Does not correspond to the classification standard of the United Nations

**UN-No:**

Not listed



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### Sections 15. Regulatory information

#### Regulations on the Control over Safety of Dangerous Chemicals

Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

### Sections 16. Other information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. We make no warranty express or implied, with respect to the information and assume no liability. Product users should determine the suitability of this information for their own uses.