



YOUSU PVB 3D FILMAENT  
Guangzhou Yousu 3D Technology Co., Ltd

Revision Date: 15/05/2025  
Version: 1.0

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Product name : PVB  
Product code : YS-PVB

### Recommended use of the chemical and restrictions on use

#### Details of the supplier of the safety data sheet

Guangzhou Yousu 3D Technology Co. Ltd.  
4<sup>th</sup> Floor, Building B, Chuangtian Industrial  
Park, Lanshan Village, Xiancun Town,  
ZengCheng District, Guangzhou,  
Guangdong,  
China

**Emergency telephone number**  
+86-20-32093406

#### Website

<http://www.ysfilament.com>

Email  
sales@ysfilament.com

Identified use : Thermoplastics used for 3D printing

## 2. HAZARD IDENTIFICATION

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

Chemical name and CAS	Content %	OSHA Exposure Limits:	ACGIH Exposure Limits:
Polyvinyl Butyral (CAS No.: 63148-65-2)	>98	None	None
Additive	<2	None	None

## 4. FIRST AID MEASURES

### CONTACT WITH THE HOT MELT:

Cooling immediately with plenty of water. Do not remove product crusts which may have formed neither forcibly nor by applying any solvents to the skin involved.

In order to obtain medical care for possible burns and for a smooth clean-sing of the skin, seek medical

advice immediately.

## 5. FIREFIGHTING MEASURES

Extinguishing media: water, foam, dry power

In case of fire or smouldering fire wear respiratory protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

Granules: slip hazard! Take up mechanically; avoid dust formation.  
Sweep up and dispose of, if appropriate together with other combustible waste material.  
For further disposal measures see chapter 13.

## 7. HANDLING AND STORAGE

Handling:

Under recommended processing conditions small amounts of emissions may occur. Provided good ventilation and / or local exhaust systems are available, the limit values cited under pt.8 should not be exceeded. Dust must be removed by effective exhaust ventilation.

Storage:

Protect from moisture and do not expose to temperatures above 40°C. Keep container tightly closed.

VCI storage class: 11 (VCI: German Association of Chemical Industry)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits: Not available.

Additional exposure limits under the conditions of use: Not available.

DNEL/DMEL and PNEC-Values: Not available.

Exposure controls:

Appropriate engineering controls: Use adequate ventilation to keep airborne concentrations low.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety goggles.

Hand protection: Wear protective gloves.

Body protection: Wear protective clothing.

Respiratory protection: Use with adequate ventilation. In case of insufficient local exhaust ventilation, wear



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protective mask.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulation

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Solid
Odour	: Nearly odourless
Softening point	: Not available
Processing temperature	: Not available
Diameter	: Approx. 1.75/3.0mm
Vapour pressure	: Not available
Viscosity	: Not available
Solubility in water	: insoluble
Ph value	: Not applicable
Flash-ignition	: Not available
Temperature	: >200°C
Self-ignition	: Not applicable
Explosive limits	: Not applicable
Density	: Approx. 1.1-1.2g/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

Thermal decomposition:

Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

Hazardous decomposition products:

Smouldering or incomplete combustion leads to the formation of toxic gas mixtures consisting mainly of CO, CO<sub>2</sub> and nitrogen oxides.

Hazardous reactions:

NO hazardous reactions observed.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

ATEmix(oral): Not available

ATEmix(Dermal): Not available

ATEmix(inhalation): Not available

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): Not available  
LC50(Inhalation, Rat): Not available  
Skin corrosion/Irritation: Not classified  
Serious eye damage/irritation: Not classified  
Respiratory or skin sensitization: Not classified  
Germ cell mutagenicity: Not classified  
Carcinogenicity: Not classified  
Reproductive toxicity: Not classified  
STOT- single exposure: Not classified  
STOT-repeated exposure: Not classified  
Aspiration hazard: Not classified

## 12. ECOLOGICAL INFORMATION

The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. This product is not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

The product is suitable for mechanical recycling. After appropriate treatment it can be remelted and reprocessed into new moulded article.

Mechanical recycling is only possible if the material has been selectively retrieved and carefully segregated according to type.

May only be transported to suitable incinerator with reduced non-air emissions observing local official regulations.

May be disposed of together with household refuse if local official regulations are observed.

## 14. TRANSPORT INFORMATION

GGVSE: -- UN: NODG PG: --  
RID/ADR: -- UN: NODG PG: --

ADNR: -- UN: NODG PG: --  
GGVSee/IMDG Code: -- UN: NODG PG: -- MPO: NO  
ICAO-IT/IATA-DGR: -- UN: NRES PG: --  
Declaration for land shipment: --  
Declaration for sea shipment: --  
Declaration for shipmen by air: --  
Other information:  
Not dangerous cargo . Slightly smelling. Keep dry. Keep separated from food-stuffs.

## 15. REGULATORY INFORMATION

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Water pollution class (WGK: Not hazardous to water (VwVwS appendix 1)  
(VwVwS = German Regulation on Substances Hazardous to Water)

Swiss law of poison: class of poison -- ; BAG-T-No. --.

## 16. OTHER INFORMATION

The following R-Phrases refer to substances that are either contained in this product or may be generated release during processing, and do not necessarily correspond to the product labeling. Information on labeling the product put into circulation in accordance with EC Directives is given in Chapter 15.

Text of all R phrase referred to in sections 2, 3, 8 or 15:  
R 42: May cause sensitization by inhalation.