

# Material Safety Data Sheet

**Material:** PBR-M2  
**Version:** 20221228-A

## 1: Identification of the substance / company information

### 1.1 Product identifier

Commercial product name: PBR-M2  
Product identifier: Polyvinylchloride  
CAS No.: 9002-86-2

### 1.2 Manufacturer / Supplier Identification

Manufacturer/distributor: **Yunnan Zhengbang Technology Co., Ltd**  
Street/POB-No.: 17th floor, Wanpai center, Longhua road, Panlong district  
Postal code/city: 650224 Kunming  
Country: P.R. China

### 1.3 Emergency telephone number

Telephone: +86 871 63332488  
Telefax: +86 871 63859977

## 2: Hazards identification

### 2.1 Hazards Category

Polyvinyl Chloride belongs to no category of hazards.

### 2.2 Hazard warning for health

Polyvinyl Chloride contains no significant toxicity, but should avoid to breath a lot of dust or contact with skin and eyes.

### 2.3 Environmental influence

Avoid arbitrary dismissed which caused powder float in the sky, thus polluted the air.

### 2.4 Physical and chemical hazard

Avoid contact with fire source, cause burning risk.

### 2.5 Main symptom

Feel a slight discomfort when eyes contact, and have difficulty in breathing when inhaled.

### 2.6 Other

None

## 3: Composition / Information on ingredients

### 3.1 Chemical characteristics

English Name: Polyvinyl Chloride  
CAS No.: 9002-86-2  
Chemical formula:  $(C_2H_3Cl)_n$

## 4: First aid measures

- 4.1 Skin Contact: No special measures required.  
Eye Contact: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.  
Inhalation: Remove from exposure area to fresh air immediately. Give artificial respiration if no breathing.  
Get immediate medical attention.

## 5: Fire aid measures

### 5.1 Suitable extinguishing media

water, foam, carbon dioxide, extinguishing powder.

### 5.2 Chemical special risks

Non-combustion

**5.3 Heat generates toxic fumes of the following**

-hydro chloride, -carbon monoxide, -carbon dioxide

**5.4 Special protective equipment for fire fighting**

wear self-contained breathing apparatus.

**6: Accidental release measures**

**6.1 Person-related precautionary measure**

Do not inhale dust use dust mask; Ensure good ventilation and local exhaustion of the working area.

**6.2 Methods and material for containment and cleaning up**

Damp down, absorb mechanically and dispose according to local/state/federal regulations.

**7: Handling and storage**

**7.1 Precautions for safe handling**

Avoid dust formation. Ensure adequate ventilation.

Observe the general rules of preventive industrial fire protection and dust explosion protection.

**7.2 Storage**

Observe precautionary measures against dust explosion.

Do not store together with combustible substances.

**8: Exposure controls/personal protection**

**8.1 Breathing system protection**

Wear self-inhalation filter type dust mask when dust density in the air is above the standard.

**8.2 Eye protection**

Wear chemical safety glasses.

**8.3 Hand protection**

Protective gloves are not normally required for handling the product.

**8.4 Skin protection**

not required.

**9: Physical and chemical properties**

Form:	powder	Shape:	white powder
Color: white	white	Odor:	odorless
pH value:	not applicable	Melting temperature:	not applicable
Decomposition temperature:	100°C	Flash point:	not applicable
Autoignition temperature:	not applicable	Explosion limits:	dust explosion class St1
Vapor pressure:	--	Vapor density:	not applicable
Density (23°C):	1.4 (water=1)	Solubility in water:	virtually insoluble

**10: Stability and reactivity**

**10.1 Stability**

This material is considered stable under specified conditions of storage, shipment and / or use.

**10.2 Conditions to avoid**

not applicable

**10.3 Hazardous decomposition products**

Thermal decomposition may yield the following: -hydro chloride, -carbon monoxide, -carbon dioxide

**11: Toxicological information**

**11.1 No toxicological test data is available for the whole product.**

## 11.2 Further toxicological information

By handling the product for many years no damage to health was observed.

## 12: Ecological information

For the product as a whole, no test data is available.

## 13: Disposal considerations

### 13.1 Waste treatment methods

#### Material

Observe local/state/federal regulations.

#### Uncleaned packaging

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

## 14: Transport information

Dangerous goods code :	not regulated
UN Number:	not regulated
Packing mark:	PVC
Categories of packing:	Z01
Cautions during transportation:	Complete package. Avoid solarization, rain and high temperature.

## 15: Regulatory information

Follow all regulations in your country.

## 16: Other information

### 16.1 Material

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### 16.2 Further information

None

**- End of Safety Data Sheet -**