



SHIJIAZHUANG LUOQIAO CHEMICAL TECHNOLOGY CO., LTD.



**PVA**

SHIJIAZHUANG LUOQIAO CHEMICAL TECHNOLOGY CO.,LTD.



# 聚乙烯醇分析报告单

PVA ANALYSIS REPORT

型号 Type	088-50 (24-88)	批号 LotNo.	20200601-8-5	编号 NO.	2020-06-013
执行标准 Standard	Q/NXDD001-2017	报告日期 ReportDate	2020. 06. 03	数量 Qusntity	/
序号 NO.	分析项目 Item	单位 Unit	优等品 Excellent grade	合格品 Qualified grade	分析结果 Result
1	醇解度 Hydrolysis	% (mol/mol)	87.0-89.0	86.0-90.0	88.91
2	粘度 Viscosity	mPa. s	46.0-56.0	46.0-56.0	48.0
3	挥发份 Volatile	%	≤5.0	≤7.0	3.24
4	纯度 Puntty	%	≥93.5	≥91.5	95.77
5	灰分 Ash	%	≤0.3	≤0.5	0.30
6	PH	/	5-7	5-7	5.3
7	目数 Boreadth depth	目	≥160	≥160	160
8	备注: Remark  /	结论: Conclusion  优等品 Excellent Grade			
检验者 Analyst	310	复核者 Verifier	301	审核者 Supervisor	302



# MATERIAL SAFETY DATA SHEET (MSDS)

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**Applicant Name** : SHIJIAZHUANG LUOQIAO CHEMICAL TECHNOLOGY CO.,LTD.  
**Applicant Address** : BEIZHAOJIAZHUANG VILLAGE,JINZHOU CITY,HEBEI PROVINCE,CHINA.  
**Product Name** : Polyvinyl alcohol  
**Report No.** : RT20211211000002  
**Received Date** : 2021-12-9  
**Redact Period** : 2021-12-9 to 2021-12-11  
**Regulatory Requirements** : As requested by the applicant, the Material Safety Data Sheet is prepared according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS)Rev\_9.

DONGGUAN RUITONG TESTING TECHNOLOGY SERVICE CO., LTD.



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## SECTION 1. Identification of the substance/preparation and company

**1.1 Product Name** : Polyvinyl alcohol

**1.2 Model No.** : 2488

The product is widely used in powder building materials. Powder can quickly disperse in water, improve the

**1.3 Recommended Use** : initial adhesion of building materials. It is mainly used in thin layer adhesive, flexible adhesive, thermal insulation wall adhesive and jointing agent.

**1.4 Applicant Name** : SHIJIAZHUANG LUOQIAO CHEMICAL TECHNOLOGY CO.,LTD.

**1.5 Applicant Address** : BEIZHAOJIAZHUANG VILLAGE,JINZHOU CITY,HEBEI PROVINCE,CHINA.

**1.6 Manufacturer Name** : SHIJIAZHUANG LUOQIAO CHEMICAL TECHNOLOGY CO.,LTD.

**1.7 Manufacturer Address** : BEIZHAOJIAZHUANG VILLAGE,JINZHOU CITY,HEBEI PROVINCE,CHINA.

**1.8 Manufacturer Tel / Fax** : 86-15133153732

**1.9 Manufacturer Email** : luoqiao01@126.com

**1.10 Emergency Phone** : 86-13832166636

## SECTION 2. Hazards identifications

**2.1 Hazard Classification of substance or mixture(GHS):**

Specific target organ toxicity, single exposure category 2

**2.2 Pictograms:**

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## 2.3 Signal word:

Warning

## 2.4 Hazard description:

H371:May cause damage to organs

## 2.5 Precautionary description:

P260:Do not breathe dust/fume/gas/mist/vapours/spray.

P264:Wash hands and face thoroughly after handling.

P270:Do not eat, drink or smoke when using this product.

P280:Wear protective gloves/protective clothing/eye protection/face protection.

## SECTION 3. Composition / information on ingredients

The difference between the single product and mixture: Single

Substance name	Conc. (%)	CAS.
Polyvinyl alcohol	100	9002-89-5



Product Image

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## SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (MSDS) to the doctor in attendance.

### 4.1 Following eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately consult a physician if feeling uncomfortable.

### 4.2 Following skin contact:

Wash skin with soap and water. Immediately consult a physician if feeling uncomfortable.

### 4.3 Following inhalation:

Move victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give cardiopulmonary resuscitation and consult a physician immediately.

### 4.4 Following ingestion:

If it is ingested, rinse the mouth with water. Seek medical attention immediately.

## SECTION 5. Firefighting measures

### 5.1 Special hazards arising from the substance or mixture:

Powder and air can form an explosive mixture. When it reaches a certain concentration, it will explode when it encounters sparks.

Thermal decomposition produces flammable gas.

### 5.2 Extinguishing Media:

Dry powder, Chemical foam, Carbon dioxide, water mist.

### 5.3 Advice for firefighters:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Extinguish fire in a safe distance with enough protection

Prevent fire extinguishing water from contaminating surface water or the ground water system.

### 5.4 Hazardous combustion products:

Carbon monoxide, carbon dioxide..

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## SECTION 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contacting with eye and skin.

Ensure adequate ventilation. Clear all fire points.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

Wear appropriate protective measures (SEE SECTION 8).

### 6.2 Environmental precautions:

Do not empty into drains. If the product contaminated lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### 6.3 Cleaning method:

Remove by vacuum cleaner. Avoid dust. Disposal of discarded waste/pollutants refer to SECTION 13.

## SECTION 7. Safe handling and storage

### 7.1 Handling Notes:

Airtight operation provides good natural ventilation conditions.

Operators must undergo special training and strictly abide by the operating procedures.

It is recommended that operators wear self-priming filter dust masks, chemical safety goggles, anti-poison penetration overalls, and rubber gloves.

Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace.

Use explosion-proof ventilation systems and equipment.

Avoid generating dust.

Avoid contact with oxidants.

When handling, please load and unload with care to prevent damage to packaging and containers.

Equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment.

Empty containers may be harmful residues.

### 7.2 Storage Notes:

Store in a cool, ventilated warehouse.

Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace.

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Should be kept away from oxidizer, do not store together.  
Equipped with the appropriate variety and quantity of fire equipment.  
The storage area should be equipped with suitable materials to contain the leakage.  
Stored in compatible containers.  
Keep storage containers sealed.  
Do not store with food containers or incompatible materials (see section 10.2)

### SECTION 8. Exposure controls / personal protection

#### 8.1 Occupational Exposure Limit:

No information found

#### 8.2 Engineering Control:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

#### 8.3 Respiratory Protection:

Wear filter mask.

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

#### 8.4 Eyes Protection:

Wear protective goggle in working time.( Comply with the European Union EN 166 or The U.S. NIOSH standard.)If contacting with eyes, flush with plenty of water, If you have discomfort, seek medical advice

#### 8.5 Hands Protection:

Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.Wash with plenty of water if gloves puncture or skin exposure.

#### 8.6 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

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### SECTION 9. Physical and chemical properties

Appearance and Color	White powder
Odour	Odorless
PH value	No Data
Flammability	Non flammable
Flash point(°C)	79°C
Boiling point(°C)	No Data
Melting point/Freezing point (°C)	230-240°C
Density(g/cm³)	1.27~1.31g/cm³
Relative steam density (air = 1)	No Data
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity (mPa/s)	No Data
Evaporation rate (kg/s)	No Data
UEL %(V/V)	No Data
LEL %(V/V)	No Data
Auto-ignition temperature(°C)	No Data
Decomposition temperature(°C)	No Data
Solubility	Soluble in water

### SECTION 10.Stability and reactivity

#### 10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

#### 10.2 Material for avoiding:

Strong oxide, acid and alkali.

#### 10.3 Contact conditions for avoiding:

Fire、High temperature.

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### 10.4 Hazardous decomposition products:

No data available

## SECTION 11. Toxicological information

### 11.1 Acute toxicity:

No information found.

### 11.2 Skin corrosion/irritation:

No information found.

### 11.3 Serious eye damage/irritation:

No information found.

### 11.4 Respiratory or skin sensitisation:

No information found.

### 11.5 Germ cell mutagenicity:

No information found.

### 11.6 Carcinogenicity:

No information found.

### 11.7 Reproductive toxicity:

No information found.

### 11.8 STOT-single exposure:

May cause damage to organs

### 11.9 STOT-repeated exposure:

No information found.

### 11.10 Aspiration hazard.:

No information found.

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## SECTION 12. Ecological information

### 12.1 Ecotoxicity:

According to the environmental protection laws, this product can't be poured into sewers or drainage ditches, can't be discarded in those places which would affect soil and underground water.

### 12.2 Persistence and degradability:

No data available.

### 12.3 Bioaccumulative potential:

No data available.

### 12.4 Mobility in soil:

No data available.

### 12.5 Other adverse effects:

No data available

## SECTION 13. Disposal considerations

### 13.1 Handling method for waste:

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

### 13.2 Handling method for uncleaned packaging:

According to official regulations.

## SECTION 14. Transport information

IMDG,ICAO/IATA,ADR/RID 14.1 UN NO.: Not classified

IMDG,ICAO/IATA,ADR/RID 14.2 Class: Not classified

IMDG,ICAO/IATA,ADR/RID 14.3 Packaging group: Not classified

IMDG,ICAO/IATA,ADR/RID 14.4 Technical name: Not classified

IMDG,ICAO/IATA,ADR/RID 14.5 Label: Not classified

**14.6 Attention Notes:** Gentle with, prevent collision drag and dump. Prohibition with antioxidant and chemical mixed stowage, transit should prevent sun, fire, rain and high temperature.

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### SECTION 15. Regulatory information

Hazardous chemicals catalog  
International maritime dangerous goods code  
Dangerous Goods Number Of United Nations  
Technical Instructions for the Safe Transport of Dangerous Goods by Air  
Classification and code of dangerous goods  
Occupational Safety and Health Act (OSHA)  
The principle of classification of transport packaging groups of dangerous goods  
Globally Harmonized System of Classification and Labelling of Chemicals  
In accordance with all local laws.

### SECTION 16. Other information

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