



# Material Safety Data Sheet

## Polyvinyl Alcohol

Version: 2.0 EN  
Revision Date: 2024-11

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### SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

#### 1.1 Product identifiers

Product Name Polyvinyl Alcohol  
Synonyms Poly vinyl alcohol, PVA

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Chemical intermediate, For research and industrial use only

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

Company China lithium Products technology Company Limited  
9 HG, No.99 LuJiang Road, Xiamen city, China  
Telephone +86 592 2687860  
Email info@lithium-chemical.com

#### 1.4 Emergency telephone number

Emergency phone # +86 592 2687860

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)  
This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC

#### 2.2 GHS Label elements, including precautionary statements

No data available

##### Hazard Statements

No data available

##### Precautionary Statements

No data available

##### Supplemental Hazard Statements

None

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No data available

#### 2.4 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



### 3.1 Substances

Substance name	Polyvinyl Alcohol
Formula	C <sub>2</sub> H <sub>4</sub> O
CAS No	9002-89-5
EC No	618-340-9

**Hazardous ingredients:** No data available

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth

#### If inhaled

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air

#### In case of skin contact

Brush off loose particles from skin. Rinse skin with water/shower

#### In case of eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart

#### If swallowed

Rinse mouth with water. Do not induce vomiting, Never give anything by mouth to an unconscious person, Call a doctor or Poison Control Center immediately

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water, Foam, ABC-powder

#### Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters [www.lithium-chemical.com](http://www.lithium-chemical.com)



Wear self-contained breathing apparatus for firefighting if necessary

#### **5.4 Further information**

None

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert

For personal protection see section 8

#### **6.2 Environmental precautions**

Prevent further spillage or leakage if it is safe to do so, Do not let the chemical enter drains, Discharge into the environment must be avoided

#### **6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts

#### **6.4 Reference to other sections**

For disposal see section 13

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

##### **Advice on safe handling**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge

##### **Hygiene measures**

Change contaminated clothing. Wash hands after working with substance

For precautions see section 2.2

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

##### **Storage conditions**

Tightly closed. Dry

##### **Storage class**

Storage class (TRGS 510): 11: Combustible Solids

#### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **8.1 Control parameters**

Ingredients with workplace control parameters:

Contains no substances with occupational exposure limit values

#### **8.2 Exposure controls**



Appropriate engineering controls: Change contaminated clothing. Wash hands after working with substance

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

**Respiratory protection**

required when dusts are generated

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system

**Control of environmental exposure**

Do not let product enter drains

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Form: crystalline
	Colour: colorless
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	250 °C
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	May form combustible dust concentrations in air
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	1.19 - 1.31 g/cm <sup>3</sup>
Relative density	No data available
Water solubility	No data available
Partition coefficient: n- octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

### 9.2 Other safety information

No data available

## SECTION 10: STABILITY AND REACTIVITY



**10.1 Reactivity**

No additional information available

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature)

**10.3 Possibility of hazardous reactions**

No additional information available

**10.4 Conditions to avoid**

Exposure to light may affect product quality

No information available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

In the event of fire: see section 5

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

LD50 Oral - Rat - > 20,000 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex)

Behavioral: Somnolence (general depressed activity)

**Acute toxicity:**

Behavioral: Muscle weakness

Inhalation: No data available

Dermal: No data available

**Skin corrosion/irritation:**

Not classified

**Serious eye damage/eye irritation:**

Not classified

**Respiratory or skin sensitization:**

Not classified

**Germ cell mutagenicity:**

Not classified

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available



## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No additional information available

### 12.2 Persistence and degradability

No additional information available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities

## SECTION 14: TRANSPORT INFORMATION

### ADR/RID

UN number: No

Packing group: No

Environmental hazards: No

Proper shipping name: No

Transport hazard class(es): No

### IMDG

IMDG UN number: No

Packing group: No

Environmental hazards: No

Proper shipping name: No

Transport hazard class(es): No

### IATA

UN number: No

Packing group: No

Environmental hazards: No

Proper shipping name: No

Transport hazard class(es): No

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

No data available

### 15.2 Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement



## SECTION 16: OTHER INFORMATION

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. China Lithium Product Technology Co., Ltd.( CLPC) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.lithium-chemical.com](http://www.lithium-chemical.com) for additional terms and conditions of sale.