



## Chemical Safety Data Sheet

JLBJ004 Waterborne two component polyurethane topcoat  
MSDS

### 1 Chemical and Enterprise Identification

Trade Name: Waterborne two component polyurethane topcoat

Manufacturer: Anping Jinlong Vehicle Equipment Co., Ltd.

Address: East of Jingsi Road, Anping Industrial Park (East Section), Anping County

Emergency Phone Number: +86(0)3187870062

Email: apjinlong@163.com

Postcode: 053600

### 2 Component Information

Main Component	Content%
Waterborne Polyurethane Resin	42%- 48%
Pure Water	13%- 16%
Aux. Agent	2.0%-3.6%
Pigment	6.2%-9.5%
Titanium dioxide	1%-3%
Precipitated barium sulfate	10%-12.5%
Aluminum hydroxide	6%-8%
Zinc Phosphate	0.6%- 1%
Talc	5.0%-7.7%

**No harmful substances**

### 3 Hazard overview

Hazard class: R20/21/22

Routes of entry: Inhalation, skin, eyes, ingestion

Health Hazards:

**Eye Contact:** Eye Contact may cause eye irritation, redness, tearing, and blurred vision.

**Inhalation:** Inhalation of paint mist can cause nasal and respiratory irritation, dizziness, weakness, tiredness, nausea, and headache.

**Skin Contact:** Skin contact may cause skin irritation, dermatitis as well as chapped and defatted skin with continued exposure.

**Intake:** Accidentally intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

### 4 First Aid Measures

**Eye Contact:** Flush with running water for 15 minutes and seek medical attention if irritation continues.

**Inhalation of paint mist:** quickly move to fresh air for a comfortable breathing, perform oxygen therapy if breathing is difficult, perform artificial respiration

immediately and seek medical attention if breathing stops.

**Skin Contact:** Remove contaminated clothing immediately, rinse with plenty of running water, soapy water or special detergent.

**Intake:** Drink plenty of warm water, do not induce vomiting, seek medical attention.

## **5 Firefighting measures**

Flammability: This product is waterborne, non-flammable and non-explosive.

## **6 ACCIDENTAL RELEASE MEASURES**

It is recommended that emergency personnel wear rubber gloves and protective clothing. Do not come into direct contact with spillage. Small spills: covered spill with sand and soil, it can be disposed as household waste or general non-hazardous chemical waste after drying. Large spills: Cover spill with plastic sheeting or canvas to reduce volatilization. Remove under expert guidance.

## **7 Operation and storage**

Handling Precautions: Provide proper ventilation to avoid eye and skin from contacting. It should be handled with care to prevent damage to packaging and containers.

## **8 Protective measures**

Occupational exposure limits in workplace

Rutile Titanium Dioxide

China: No regulation.

Barium sulfate

China: No regulation.

Waterborne Polyurethane Resin

China: No regulation.

Engineering Controls: General ventilation or local exhaust.

Respiratory system protection: Generally, no special protection is required, and a ventilated mask or a self-priming filter gas mask can be worn when exposed to high concentrations products.

Eye Protection: Wear chemical safety goggles.

Body Protection: Wear general work protective clothing.

Hand Protection: Wear chemical resistant gloves.

Other protection: Take shower and change clothes after work to avoid long-term repeated contact.

## **9 Physical and chemical properties**

Appearance & Properties: Viscous Liquid with a range of colors

Relative Density (water=1, g/cm<sup>3</sup>): approx. 1.25

Solubility: Miscible in water

## **10 Stability & Reactivity**

Stability: stable

Hazards of Aggregation: No Aggregation

Contraindications: No information available

Combustion (decomposition) products: CO<sub>2</sub>, H<sub>2</sub>O.

## **11 Toxicological information**

Acute toxicity

Rutile Titanium Dioxide, Barium sulfate

No data.

Waterborne Polyurethane Resin

No data.

Irritating

Excessive exposure to paint steam or paint mist can cause eye and skin irritation and sometimes dermatitis.

## **12 Ecological Information**

Ecotoxicity: No specific information available. This product cannot be poured directly into the sewer.

Biodegradability: No information available

Non-biodegradability: No information available

## **13 Waste Disposal**

Waste properties: non-hazardous waste

Waste Disposal Method: it can be disposed of as domestic waste or general non-hazardous chemicals after drying.

Disposal method: Please consult the environmental protection department of the local government.

## **14 Transport**

Domestic

Hazard Code: No information

Packaging Mark: Non-hazardous Goods

Packing Group: 20L plastic or iron drum

## **15 Regulatory Information**

Product & Component's Chemical Name	Chinese Current Chemical List	Grading, Classification of Hypertoxic Substance & Production Name Code GB57-93	List of Dangerous Goods GB12268-90	Identification of major hazards source GB18218-2000
Rutile Titanium Dioxide	YES	Not Applicable	Not Applicable	No regulation.
Precipitated barium sulfate	YES	Not Applicable	Not Applicable	No regulation.
Waterborne Polyurethane	YES	Not Applicable	Not Applicable	No regulation.
Pure Water	No	Not Applicable	Not Applicable	No regulation.

#### 16 Other information

The information states in this Material Safety Data Sheet has been prepared based on our current know-how and current national laws.

Products may not be used for purposes other than the one stated in product data sheets without prior written notice.

It is always the responsibility of the user to take the necessary measures to comply with the requirements of the applicable regulations.

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