



M S D S

MATERIAL SAFETY DATA SHEET

Prepared for: Shenchen Zhutujia Building Materials Technology Co., Ltd.

Room 110, No. 24, Xihutang Street, Pingdong Community, Pingdi Street,
Longgang District, Shenzhen

Prepared by: Shenzhen CTB Testing Technology Co., Ltd.

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an
District, Shenzhen, Guangdong, China.

Issue date: Mar 17, 2025

Report number: CTB25022807301CS01

Written by: _____

Tracy Lu

Approved by: _____



Shenzhen CTB Testing Technology Co., Ltd.

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel: 4008-707-283

Email: ctb@ctb-lab.net

Web: <http://www.ctb-lab.net>

Page 1 of 10



Report No. : CTB25022807301CS01

Material Safety Data Sheet

Section 1-Identification of the substance/mixture and of the company/undertaking

1.1 Product identification

Product Name: Water-based acrylic waterproof paint

Product model: 高弹耐候型

Trademark: 涂如韧

1.2 Product recommendations and restricted uses

Product determine uses: /

1.3 Manufacturer Information

Manufacturer's name: Shenchon Zhutujia Building Materials Technology Co., Ltd.

Manufacturer's address: Room 110, No. 24, Xihutang Street, Pingdong Community, Pingdi Street,
Longgang District, Shenzhen

Telephone: 0755-84877750

FAX: /

E-mail: 494506320@qq.com

Shenzhen CTB Testing Technology Co., Ltd.

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel: 4008-707-283

Email: ctb@ctb-lab.net

Web: <http://www.ctb-lab.net>

Page 2 of 10

Material Safety Data Sheet

Section 2- Hazards Identification

2.1 GHS Hazard classification

Acute Toxicity - Oral (Category 4)

Serious Eye Damage/Irritation (Category 1)

Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)

Hazardous To The Aquatic Environment - Long-Term (Chronic) Hazard (Category 3)

2.2 GHS label elements, including precautions

Pictogram:



Pictographic code: GHS05, GHS07

Signal word: Danger.

Hazard declaration: H302 Harmful if swallowed.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Warning statement : No data.

Precautions:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P271 Use only outdoors or with adequate ventilation.

P273 Avoid release to the environment.

P280 Wear protective gloves/Wear protective clothing/wear protective eye mask/Wear protective mask.

P264+P265 Wash face and hands thoroughly after work. Don't touch your eyes.

Accident response :

P317 Get medical help.

P319 Get medical help if you feel unwell.

P301+P317 IF SWALLOWED: Get medical help.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Shenzhen CTB Testing Technology Co., Ltd.

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel: 4008-707-283

Email: ctb@ctb-lab.net

Web: <http://www.ctb-lab.net>

Material Safety Data Sheet

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage :

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Waste disposal: P501 Send the contents/containers to the approved waste treatment plant for treatment.

2.3 Other hazards

Physical and Chemical Hazards: No details are available.

Health Hazards: Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation.

Invasion routes: skin contact, eye contact, ingestion.

Environmental hazards: Harmful to aquatic life with long lasting effects.

Section 3- Composition/Information on Ingredient

Chemical Name	CAS No.	Concentration(%)
Water	7732-18-5	Trade secrets
Water-based Acrylic Emulsion	9003-01-4	Trade secrets
Inorganic fillers such as Calcium Carbonate	471-34-1	Trade secrets
Water-based Functional Additives	N/A	Trade secrets

Note: N/A= Not applicable.

Section 4- First Aid Measures

General suggestion: First aid measures are usually required. Please show this MSDS to the doctor who arrives at the scene.

Skin exposure: Remove contaminated clothing and thoroughly rinse the skin with soap and water. Medical measures should be taken when necessary.

Eyes touch: If the liquid comes into contact with the eyes, immediately rinse with plenty of water for at least 15 minutes, keeping the eyelids open and away from the eyes to ensure that all surfaces are completely clean. If possible, check and remove contact lenses. Do not rub your eyes with your hands. If necessary, seek medical attention. If the pain persists (severe stabbing pain, sensitivity to light, visual impairment), continue rinsing and contact/seek medical attention or medical attention.

Material Safety Data Sheet

Inhalation: Quickly leave the scene to fresh air. Keep the airway open. If breathing is difficult, give oxygen. When breathing and heart stop, give artificial respiration and chest compressions immediately. Seek medical attention if necessary.

Ingestion: Do not give anything orally to an unconscious person. Rinse mouth with plenty of water. If swallowing, be careful not to induce vomiting. Seek medical attention immediately.

Most important acute and delayed symptoms/effects: Please refer to Part 11 for details.

Instructions for emergency medical treatment and special treatment: Targeted treatment should be carried out based on the symptoms that appear. Symptoms may appear delayed.

Section 5- Fire Fighting Measures

Extinguishing method and extinguishing agent: Use water mist, dry powder, foam or carbon dioxide extinguishing agent to extinguish the fire.

Special Hazards Arising from the Substance or Mixture: Carbon oxides are produced during heating or in the event of a fire.

Fire protection measures: Isolate the accident site and prohibit irrelevant personnel from entering. Fire fighters shall wear gas masks and full-body fire suits to extinguish fires in the upwind direction. If possible, move the container from the fire to an open area. Containers in the fire area must be evacuated immediately if they are discolored or emit sound from the safety relief device. Where safe, contain and treat fire water to prevent environmental pollution.

Section 6- Accidental Release Measures

Protective measures, protective equipment and emergency procedures for workers: It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus, protective clothing, and chemical anti-seepage gloves. Use personal protective equipment to avoid inhaling steam, mist, or gas. Avoid contact with skin and eyes. Ensure adequate ventilation. Quickly evacuate personnel to a safe area, stay away from the leak area and be in the upwind direction. For personal protection, please refer to Section 8.

Environmental protection measures: If safety can be ensured, measures can be taken to prevent further leakage or overflow. Collect leaked materials to avoid polluting the environment. Prevent leakage from entering sewers, surface water, and groundwater.

Emergency treatment of leakage: Collect the leaking liquid in a sealable container whenever possible. Absorb with sand, activated carbon or other inert material and transfer to a safe place. Do not flush down the drain.

Material Safety Data Sheet

Section 7- Handling and Storage Measures

Precautions for safe operation: Operators should receive training and strictly follow the operating procedures. Wear a positive pressure independent respirator, protective and anti-static clothing, and chemical anti-seepage gloves. Avoid the formation of steam. Avoid inhaling vapors and direct contact with skin and eyes. Keep away from sources of fire and heat, and smoking is strictly prohibited in the workplace. Avoid contact with oxidants and amines. The workplace should have ventilation systems and equipment. Thoroughly clean hands and face after operation. When handling, handle with care to prevent packaging from cracking, getting damp, and causing damage. Equip with corresponding types and quantities of fire-fighting equipment and emergency response equipment for leaks. Empty containers may contain residual harmful substances.

Storage conditions: Store the container tightly in a dry, cool, and well ventilated place. Avoid direct sunlight and exposure. Stay away from heat sources, sparks, and flames. It should be stored separately from oxidants and edible chemicals to avoid mixing storage.

Section 8- Exposure Controls/Personal Protection

Occupational exposure limit: No data available.

Engineering controls: Ensure adequate ventilation. Handle according to good industrial hygiene and safety regulations. Provide emergency eye wash and shower equipment.

Eye protection: Wear chemical goggles (according to EU EN 166 or US NIOSH standards).

Body protection: Wear an antiseptic penetration suit.

Hand protection: Wear chemical protective gloves.

Breath protective: Under normal usage conditions, if the exposure limit is exceeded or irritation occurs, ventilation and evacuation may be necessary. If necessary, use a positive pressure breathing mask. During emergency rescue or evacuation, air respirators should be worn.

Health control: Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Clean contaminated clothing before reuse.

Section 9- Chemical and Physical Properties

Appearance and traits	Milky liquid	Odor	No special odor
pH	7.5-8.5	Relative density (g/cm ³)	1.1
Flash point (°C)	>100	Melting point (°C)	No data
Solubility	No data	N-octanol/water partition coefficient	No data
Boiling point (°C)	100	Auto-ignition temperature (°C)	Non hypergol

Material Safety Data Sheet

Section 10- Stability and Reactivity

Reactivity: No known hazardous reactions under normal conditions of use.

Stability: This product is stable for storage and use under normal ambient temperatures.

Forbidden compound: Strong oxidant.

Avoid contact condition: High temperature, heat source, humidity.

Polymerization hazard: No aggregation.

Hazardous decomposition products: Carbon oxides.

Section 11- Toxicological information**Acute toxicity**

Chemical Name	LD50 (oral)	LD50 (Percutaneous)	LC50 (Inhalation)
Chromic anhydride	80mg/kg(rat)	No data available	No data available

Carcinogenicity

Chemical Name	CAS No.	IARC	NTP
Chromic anhydride	1333-82-0	Category 1	Category K

Other information

Skin corrosion/irritation: No details are available.

Serious Eye Damage/Irritation: Causes serious eye damage (Category 1).

Skin allergy: No details are available.

Respiratory sensitization: No details are available.

Reproductive toxicity: No details are available.

Specific target organ toxicity (single exposure): May cause respiratory irritation (Category 3).

Specific target organ toxicity (repeated exposure): No details are available.

Inhalation hazard: No details are available.

Germ cell mutagenicity: No details are available.

Potential harmful effects:

Inhalation: May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Skin: May be harmful if absorbed through the skin.

Eyes: Causes serious eye damage.

Material Safety Data Sheet

Section 12- Ecological Information**12.1 Ecological toxicity**

No data available.

12.2 Persistence and degradability

No data available.

12.3 Potential bioaccumulation

No data available.

12.4 Mobility in soil

No data available.

12.5 Result evaluation of PBT and vPvB

Not part of PBT and vPvB.

12.6 Other environmental harmful effects

Harmful to aquatic life with long lasting effects.

Section 13- Disposal Considerations

Discarded chemicals: Must be disposed in accordance with local and national laws and regulations. Recycle as much as possible or transfer it to a licensed chemical destruction plant.

Contaminated packaging: Return the container to the manufacturer or dispose of it in accordance with national and local regulations.

Disposal precautions: Please refer to relevant national and local regulations before disposal. See Section 8 for safety precautions for disposal personnel.

Section 14 – Transport Information**Transportation labels and markings****Transportation labels and markings**

Not applicable

IMDG Code for the Transport of Dangerous Goods by Sea (Edition 41-22)**IMDG-CODE**

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Marine pollutants (Yes/No)

No

Material Safety Data Sheet

Air Transport of Dangerous Goods Regulations (IATA DGR 66th Revision)

IATA-DGR

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Regulations for the Transport of Dangerous Goods by Land (ADR 2023 Edition)

UN-ADR

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Packaging Methods: Packing according to the method recommended by the manufacturer.

Transportation precautions: The integrity of containers and packaging should be checked before shipping. Make sure there is no collapse or damage during transportation. The transport vehicle shall be equipped with the corresponding type and quantity of fire fighting equipment during the transport process. The goods shall not be mixed with oxidizing agents, acids, alkali metals, amines, chemicals, etc. Avoid sun, rain and high temperatures during transportation. During the stay, the vehicle should be away from fire and heat sources.

Section 15- Regulatory information

《Dangerous Goods Regulation》

《Recommendations on Transport of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

《Occupational Safety and Health Act》 (OSHA)

《Toxic Substances Control Act》 (CPSA)

《Federal Environmental Pollution Control Act》 (FEPCA)

《The Oil Pollution Act》 (OPA)

《Superfund Amendments and Reauthorization Act III(302/311/312/313)》 (SARA)

《Resource Conservation and Recovery Act》 (RCRA)

《Safety Drinking Water Act》 (CWA)

《California Proposition 65》

《Code of Federal Regulations》 (CFR)

In accordance with all Federal, State and local laws.



Material Safety Data Sheet

Section 16- Other Information

The format of this Material Safety Data Sheet (MSDS) complies with the requirements of the 10th revised edition of the United Nations GHS system, and the data is sourced from international authoritative databases and data submitted by enterprises. Other information is based on the company's current knowledge. We strive to ensure the accuracy of all information provided, but due to the diversity of information sources and the limitations of our company's knowledge, this document is for reference only. The user of the safety data sheet should make a judgment on the reasonableness of the relevant information based on the purpose of use. We are not responsible for any damages arising from the operation, storage, use, or disposal of this product.

Prepared By Shenzhen CTB Testing Technology Co., Ltd.

***** *End of document* *****