

Material Safety Data Sheet

Product Name: **Ceramic Adhesive**

Prepared in accordance with GB/T 17519-2013

Revision date: 2019/5/26

Supplier: Centrobelt Llc

1. Chemical and corporate identification

Product name: Ceramic Adhesive

Product Type: Epoxy resin

Manufacturer Name: Shandong Yingqiang New Material Technology Co., Ltd.

Address: No. 7 Heji Road, High-tech Zone

2. Composition information

Composition	Concentration	CAS NO.
Epoxy resin	30-60	61788-97-4
Toughener	8-15	2930-05-4
Silica	40-60	7440-21-3
Titanium dioxide	2-4	1317-80-2
Modified amine	25-50	N/A

3. Hazard statement

Emergency overview

Physical description: A and B components are all viscous paste

Color: component A is white, component B is light yellow

Odor: mild smell

This product is not a dangerous product.

Hazard category:

Classification according to Regulation (EC) 1272/2008 [CLP/GHS]: No regulation.

Classification according to Directive 1999/45/EC [DPD] Europe: This product is not classified as dangerous according to the provisions of Directive 1999/45/EC and its amendments.

Label elements:

Hazard pictograms: None.

Signal word: no signal word.

Hazard statement: No obvious known effect or serious danger.

Precautionary statement

Preventive measures:

Wear appropriate protective clothing and hands in the workplace

Only use outdoors or wear eye/face protection.

Contaminated clothing should not be taken out of a well-ventilated area for use.

Incident response:

In case of contact with eyes: Rinse carefully and repeatedly with water. Those who wear contact lenses, if convenient, take first

Put down the contact lenses and continue to rinse the glasses with water

In case of skin contact: Rinse with soap and water. If you feel unwell, seek medical attention immediately. Take off contaminated clothes and wash them before using them again.

Disposal:

Dispose of in accordance with local regulations.

Other hazards: unknown

4.Aid Measures

Inhalation: Move to fresh air. If symptoms persist, seek medical help.

Skin contact: Wipe off the adhesive with a paper towel or cloth, and wash with soap and water. If symptoms develop or persist, seek medical help.

Eye contact: Lift the eyelids immediately and rinse with plenty of water for at least 15 minutes. If the irritation worsens, seek medical help

Ingestion: Rinse mouth, drink 1 to 2 glasses of water, do not try to induce vomiting, if symptoms develop or persist, seek medical help.

5.Fire Fighting Measures

Hazardous combustion products: carbon oxides, nitrogen oxides, irritating organic vapors.

Extinguishing agent: carbon dioxide, foam, dry powder extinguishing agent

Special fire extinguishing procedures: wear tools to protect the respiratory organs.

Special fire or explosion hazards: none

6.Emergency measures for accidental leakage

Environmental precautions: Do not directly drain into the water surface or pick up the toilet's sewer system.

Removal method: For small amount of leakage, wipe it off with paper or towel, and store in a container for further disposal; for large amount of leakage, absorb with inert material and store in a closed container for further processing.

7.Handling and Storage

Operation: Use in a well-ventilated place; avoid contact with eyes, skin and clothing; avoid breathing steam and mist. Thorough cleaning is required after operation. Do not touch the lens directly.

Storage precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat sources. Keep the container tightly closed. should be kept away from oxidizer, do not store together.

Substances that cannot coexist: During storage, the product is not allowed to come into contact with water.

8.Exposure control and personal protection

Technical control: Use unique waste exhaust ventilation equipment to keep the concentration of substances in the air below the established exposure limit.

Respiratory protection: If the potential substance will exceed the established exposure limit, use NIOSH approved air clean gas mask.

Skin protection: impermeable nitrogen-containing cloth gloves, ordinary rubber gloves, butyl synthetic rubber gloves.

Eye/face protection: goggles or safety eyes.

Other protection: The selection of personal protective equipment must comply with at least the following laws and standards, "The Law of the People's Republic of China on the Prevention and Control of Occupational Diseases" (adopted at the 24th meeting of the Standing Committee of the Ninth National People's Congress on October 27, 2001), "Individuals Specification for Selection of Protective Equipment (GB/T 11651-2008). Good industrial practices should be followed.

Pictograms of personal protective equipment are recommended:



9. Physical and chemical properties

Physical state: both components A and B are viscous paste

Color: component A is white, component B is light yellow

Odor: mild smell

PH: Not applicable

Boiling point: not applicable

Melting point: not applicable

Relative density (25°C): 1.50~1.60g/cm³

Evaporation rate: Not applicable

Solubility in water: insoluble

Volatility of organic matter: none

10. Stability and reactivity

Stability: stable

Dangerous polymerization: It may react violently with alkali substances and many organic substances including alcohols and amines.

Decomposition products: irritating organic vapors, carbon oxides, nitrogen oxides.

Environment to avoid: humid environment, strong light, high temperature.

11. Toxicity information

Chemical Category: Mixture

Route of exposure: skin contact and accidental swallowing.

Acute toxicity: Eyes: Direct contact may cause discomfort.

Skin: May cause contact allergy (persons with skin allergies).

Ingestion: There is only a low intake hazard in normal use.

Chronic toxicity: Skin: Repeated or prolonged exposure may cause irritation.

Ingestion: Repeated or large intake may cause internal damage.

Inhalation: None

Other health hazard information: none

12. Ecological impact

Fluidity: Both components A and B are viscous paste.

Degradability: Uncertain.

Accumulation: The impact of unfavorable ecological accumulation or biological expansion that is currently not known.

Short-term or long-term effects of ecotoxicity: currently no known ecological effects

13. Disposal

Product disposal: If the waste of this product is in accordance with GB5085.7-2007

The "General Principles of Identification Standards for Hazardous Wastes" are classified as hazardous wastes and are disposed of in accordance with the "Regulations on the Safety Management of Hazardous Chemicals", the

"Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes", and the "National Directory of Hazardous Wastes".

Contaminated packaging treatment: After use, test tubes, cans, and bottles containing residues should be treated as chemically polluted wastes and disposed of at designated waste disposal sites. Need to be disposed of in accordance with national regulations.

14. Transport Information

Basic information: Not classified as dangerous goods listed by RID, ADR, ADN, IMDG, IATA-DGR.

Precautions for transportation: The packaging must be complete and securely loaded when shipping. During transportation, ensure that the container does not leak, collapse, fall, or be damaged. Mixed shipment and transportation with standard components is strictly prohibited. Transportation vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment. Avoid exposure to sunlight, rain, and high temperature during transportation.