

Material Safety Data Sheet (MSDS)

Part 1: Chemicals and Corporate Identification

Chemical Name (Chinese): CXUV-0312A UV-curable adhesives

Company Name: Zhuhai Changxian New Material Technology Co. , Ltd.

Langwan Road, Fine Chemical Industrial Zone, Gaolan Port Economic Zone,
Zhuhai City

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Company emergency hotline: +86-13802269905

National Emergency Hotline: +86-532-83889090

Part 2: Ingredient/Composition Information

composition	Pure product ☐ Mixture ☒		
Serial Number	Material composition	CAS NO	content
1	Polyurethane acrylate	self made	10%-40%
2	acrylic monomers	5888-33-5	2%-10%
3	N, N-Dimethylacrylamide	2680-03-7	10%-30%
4	Initiator	947-19-3	2%-5%

Part 3: Hazard Overview

Emergency situation:

Physical state: Liquid

Color: Amber (transparent) Flammability: 2

Odor: Typical acrylate monomer odor; Health hazards: 1

Personal protective equipment: see below

Note Meaning: flammable liquid

It may cause eye, skin and
respiratory irritation; it may
cause skin allergies.

Accidental ingestion may cause physical harm

Exposed areas: eyes, respiratory area, skin

Potential health effects:

Inhalation: May cause respiratory irritation

Skin contact: May cause skin irritation or allergic reactions.

Eye contact: May cause eye irritation

Ingestion: Consuming this product may cause harm to the body.

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Part 4: First Aid Measures

Inhalation: Move to fresh air. If the condition worsens or persists, see a doctor.

Skin contact: Wash with soap and water. Remove contaminated clothing and wash thoroughly before wearing. If any adverse reactions occur, consult a doctor.

Eye contact: Wash thoroughly with plenty of water and soap. Rinse with cold water for at least 15 minutes, keeping eyes open while rinsing, then seek medical attention.

Ingestion: Do not vomit. Stay calm and see a doctor immediately.

Part 5: Firefighting Measures

flash point: 108°C

Autoignition temperature: Not applicable

Minimum

flammable/explosive

concentration: Not

applicable Maximum

flammable/explosive

concentration: Not

applicable

Fire extinguishing methods: Foam fire extinguishers and dry ice fire extinguishers

Special fire prevention measures: None

Unusual fire or explosion: Uncontrolled polymerization at high temperatures can lead to an explosion or bottle rupture.

Hazardous combustion products include: carbon dioxide, nitrogen oxides, phosphorus oxides, sulfur oxides, and irritating organic gases.

Part 6: Leakage Emergency Response

Environmental protection: Remove the source of ignition. Do not allow it to flow into running water.

Cleaning method: Self-polymerization may occur. Clean in well-ventilated areas. Absorb with an inert substance. Place in a separate location and cover before handling .

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Part 7: Handling and Storage

Use only in well-ventilated areas.

Storage: For safe storage, please store in a dark place between 10 and 26° C. Keep away from fire, heat, sparks, and other substances that may ignite.

Part 8: Exposure Controls/Personal Protection

Engineering Controls: Please use in a well-ventilated space.

Respiratory protection: If the concentration may exceed the minimum exposure limit, please wear a proper respirator.

Skin protection: Avoid direct skin contact; use disposable plastic gloves for protection .

Eye/face protection: Wear protective eyewear if necessary.

Part 9: Physical and Chemical Properties

Physical state: homogeneous viscous liquid

Color: Amber transparent

Odor: Typical acrylate monomer odor

Vapor pressure: less than 5 mmHg (20° C)

PH Value: 6.8

melt Point: Do not apply

Density: 1.08

water-soluble Property: Insoluble in water

Part 10: Stability and Reactivity

Stability: Unstable when exposed to light or heat.

Hazardous aggregation: may occur

Hazardous decomposition products: oxides of carbon, oxides of nitrogen, oxides of phosphorus, and other organic gases.

Incompatible substances: strong oxidizing agents, strong acids, strong bases

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Part 11: Toxicological Information

Product toxicity data: Ingestion test LD50 > 5000 mg/kg (mice),Skin test
LD50 > 2000 mg/kg (mice)

Carcinogens		
Hazardous ingredients	Carcinogens at room temperature and pressure	Health Bureau Carcinogens
Polyurethane acrylate	no	no
acrylic monomers	no	no
N,N-Dimethylacrylamide	no	no
Initiator	no	no

Part 12: Ecological Information

Ecological information: Avoid direct discharge into water tanks or sewers before solidification; after solidification, it is a typical polymer and poses no direct harm to the environment.

Part 13: Waste Disposal

For unused glue only

Recommended approach: Handle in accordance with the regulations of the People's Republic of China and local regulations .

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Part 14: Transportation Information

1. DOT Regulations:

Danger level: -

2. Land transport ADR/RID

(cross borders):ADR / RID

level:-

3. Sea Freight

IMDG: IMDG

level:-

Marine pollutants: No

4. Air transport of ICAO-TI

and IATA-DGR: ICAO / IATA

Level: -

Part 15: Regulatory Information

Sign: Follow general safety regulations when handling chemicals.

According to guidelines on hazardous materials, this product is not required to comply with labeling regulations.

National regulations:

Water Hazard Level: Water Hazard Level I (Self-Assessment): Slightly hazardous to water.

Part 16: Other information

This manual is for safety guidance. Due to the scope of use and testing, it may not be entirely detailed . If customers have any questions, please contact the technical service department to obtain relevant information.