



Industrial Products, March 2025

TB-UV GLUE Material safety data sheet

1、 IDENTIFICATION OF THE CHEMICAL PRODUCT AND THE COMPANY

Product name: TB-UV glue

Product type: UV Light Cure Adhesive

Address: 8th floor, block a, Tongxing industrial building, No.5 Chuangye Road,Huangpu District, Guangzhou.

TEL/FAX:020-82510613

website: <http://www.etop-bond.com>

2、 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	proportion
Urethane acrylates	homemade	30%—50%
Acrylate monomer	868—77—9	35%—45%
Coupling agent	2530—83—8	1%—5%
Photoinitiator	947—19—3	2%—5%

3、 HAZARDS IDENTIFICATION EMERGENCY OVERVIEW

Physical state: Liquid

Flammability: 2

Color: Amber transparent

Health: 1

Odor: Typical acrylate flavour

Physical Hazard: 1

Personal Protection: See next Section

WARNING:

CAUSES EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED.MAY CAUSE RESPIRATORY TRACT IRRITATION.MAY CAUSE SKIN IRRITATION.

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation.

Skin contact: May cause skin irritation. May cause allergic skin reaction.

Eye contact: Contact with eyes will cause irritation.

Ingestion: May be harmful if swallowed.

Existing conditions aggravated by



4、FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse.

Get medical attention if symptoms occur.

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention

5、FIRE-FIGHTING MEASURES

Flash point: 105°C

Autoignition temperature: Not available

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: No.

Unusual fire or explosion hazards: Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Oxides of phosphorus. Irritating organic vapors.

6、ACCIDENTAL RELEASE MEASURES

Environmental precautions: Remove sources of ignition. Prevent product from entering drains or open waters.

Clean-up methods: Spontaneous hazardous polymerization may occur. Ventilate area. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7、HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Use only in area provided with appropriate exhaust ventilation.

Storage: For safe storage, store between 10°C - 26°C . Store away from heat, sparks, flames, or other sources of ignition.

8、EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

9、PHYSICAL AND CHEMICAL PROPERTIES



Physical state: Liquid
Color: Amber transparent
Odor: Typical acrylate flavour
Vapor pressure: Less than 5 mm Hg (20°C)
PH: 7
Melting point/range: Not available
Density: 1.05
Solubility in water: Does not dissolve in water

10、 **STABILITY AND REACTIVITY**

Stability: Unstable for light or heat.
Hazardous polymerization: May occur.
Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Oxides of phosphorous. Irritating organic vapors. Dimethylamine.
Incompatibility: Strong oxidizers. Strong acids. Strong bases.

11、 **TOXICOLOGICAL INFORMATION**

Product toxicity data: Acute oral LD50 greater than 5000mg/kg (rat)(estimated). Acute dermal LD50 greater than 2000 mg/kg (rat) (estimated).

Carcinogen Status		
Hazardous components	NTP Carcinogen	Bureau of health and Safety Carcinogen
Urethane acrylates	NO	NO
Modified polyurethane acrylates	NO	NO
Acrylate monomer	NO	NO
Coupling agent	NO	NO
Photoinitiator	NO	NO

12、 **ECOLOGICAL INFORMATION**

Ecological information: Don't put it into the flesh water directly before being cured.
To be style polymer after being cured which is un-harmful to environment.

13、 **DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.
Recommended method of disposal: Dispose of according to CHINA Bureau OF HEALTH AND SAFETY Carcinogen and local governmental regulations.

14、 **TRANSPORT INFORMATION**

- 1 . **DOT regulation:**
Hazardous level: -
- 2 . **Transport on earth ADR/RID:**
ADR/RID level: -
- 3 . **Sea transportation IMDG:**



广州拓棒环保科技有限公司

GUNAGZHOU TOP-BOND ENVIRONMENTAL TECHNOLOGY CO.,LTD

IMDG level: -

Ocean pollutant: no

4. Air-express ICAO-TI 和 IATA-DGR:

ICAO/IATA level: -

15、OTHER INFORMATION

This manual for TB - UV glue curing acrylic ester adhesive safety instruction, due to the use and test range, is not as detailed, customers to use have any questions, please contact with GuangZhou company environmental protection technology co., LTD. Contact technical services department, the relevant information.