

Safety data sheet for chemical products, MSDS

Product name: BM 9110

According to GB/T 16483-2008、GB/T 17519-2013

Initial date of preparation: 2025/2/15

The revision date: 2026/1/1

Section 1 - Chemical and corporate identity

Product's information

Chemical name: Urethane Acrylate

Supplier's information

Supplier: Guangzhou BAWO New Material Science Co., Ltd.

Tel: 86-020-31074363

Fax: 86-020-31074309

Emergency Contact Number: 86-020-31074363

Section 2 - Hazard Identification

Emergency Overview:

Non hazardous substances

GHS of the substance or mixture

Skin corrosion/irritation - Category 2

GHS label elements, hazard statements and precautionary statement



Label elements:

Signal word: Warning

Hazard statement:

H315 Causes skin irritation;

Section 3 - Composition/Composition Information

Chemical characterization: mixture



Component	Concentration or concentration range [% quality score]	CAS No.
Urethane acrylate	30-50 %	82116-59-4
Dipropylene glycol diacrylate	30-50 %	57472-68-1
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	2-4 %	75980-60-8

Section 4 - First-aid Measures

General emergency procedures:

In the state of an accident or when you feel uncomfortable, seek medical treatment immediately (show safety warning labels and MSDS as much as possible). The exposure (skin contact, eye contact, inhalation or intake) of this product may have a delayed effect.

Skin contact: Take off any contaminated clothing, shoes, and leather items(e.g., belts, watches). Immediately wipe off or absorb any excess chemical liquid. Rinse the affected area thoroughly with water or mild soapy water for at least 20 minutes, or until all chemical residue is removed. Seek medical attention immediately.

Eye contact: Immediately wipe off or absorb any excess chemical liquid. Raise the upper and lower eyelids and rinse the eyes with a large amount of water for at least 5 minutes immediately until all chemical residue is removed. Seek medical attention immediately.

Inhalation: Remove the source of contamination or move the affected person to an area with fresh air. Seek medical attention immediately.

Eating by mistake: If swallowed by mistake and the patient is conscious, have them drink 240-300 mL of water to dilute the chemical in the stomach. If the patient is semi-conscious or unconscious, do not administer any food or fluids, and do not induce vomiting. Seek medical attention immediately.

Precaution for Physicians:

May cause slight skin irritation, including redness and swelling.

Precaution for First-Aid Personnel:

1. First-aid personnel should operate from outside the warning line.
2. If first-aid personnel need to enter the warning area, they should follow the instructions in Section 8 and wear appropriate protective equipment.

Section 5 - Fire-fighting Measures

Suitable extinguishing agent:

- 1.CO₂ 2.Chemical powder 3.Bubble

Fire precautions and protective measures:

The danger of fire could meet:



1. Stop spills before putting out fires. If you can't stop spills and there are no dangerous things around, let the spills burn out.
2. If spillage continues after the fire is extinguished, vapor may mix with air to form an explosive mixture, potentially causing re-ignition.

For the protection of firefighters: Full face shield, respiratory protection, protective gloves, protective clothing.

Section 6 - Leakage Emergency Treatment

Personal protective measures, protective equipment and emergency procedures:

1. Wear personal protective equipment.
2. Do not allow unnecessary or unprotected personnel to enter.
3. Do not take action when there is personal danger or without proper training.

Environmental Attentions:

1. Keep away from fire sources.
2. Contain the spill and absorb it with sand.
3. Ensure good ventilation.
4. Prevent the spill from entering sewers and ditches.

Methods and appliances for cleaning up:

Dispose by incineration or secure landfill according to regulations.

Section 7 - Operational Disposal and Storage

Safety operation precautions

Protection measures:

1. Keep away from heat and fire sources.
2. Keep the substance away from your eyes, skin or clothing.
3. Do not inhale steam or smoke.

Storage matters need attention:

1. Do not store with oxide.
2. Should be stored in ventilated place.
3. Avoid high temperature and sunlight.

Section 8 - Contact Control/Personal Protection

Occupational exposure limits

For this product, PEL or TLV have not been identified.



Individual protective equipment:

Respiratory protection:

1. Organic gas filter tank
2. Respiratory protective devices

Hand protection: Nitrile gloves

Eye protection:

1. Splash proof goggles
2. Full cover

Skin and body protection:

1. Eye irrigator
2. Emergency shower equipment
3. Permeation resistant clothing. Gloves, long sleeved shirt and pants

Health measures:

1. Remove the contaminated clothes quickly after work, and then wear or discard them after washing, and inform the laundrymen of the harmfulness of the contamination.
2. Smoking or diet are strictly prohibited in the workplace
3. Wash your hands thoroughly after handling this.
4. Maintaining clean workplace

Section 9 - The characteristics of physical and chemical

Appearance and shape:	Transparent clear liquid
pH:	No information
Melting point (°C):	No information
The boiling point (°C):	No information
Flash point (°C):	No information
Explosion limit (% volume fraction):	Inapplicability
Lower explosion limit(%volume fraction):	Inapplicability
Saturated vapor pressure (kPa):	Inapplicability
Relative density (water by 1):	1.12±0.03g/cm ³ (at 25°C)
Relative vapor density (air by 1):	Inapplicability
Water alcohol/water distribution coefficient (lg P):	No information
Critical temperature (°C):	Inapplicability
Critical pressure (Pa):	Inapplicability
Spontaneous combustion temperature (°C):	Inapplicability



Decomposition temperature (°C):	No information
Heat of combustion (kJ/mol):	No information
The evaporation rate:	Inapplicability
Flammability (solid, gas):	No information
Viscosity (mPa.s):	150~350(cps at 25°C)
Odor thresholds:	Micromonomeric odour
Solubility:	It is insoluble in water and soluble in ester

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions of use and storage

Adverse reactions may occur under special circumstances: The reaction of the heat release polymerization and the pressure sealing container will burst or burst open

Material to avoid: More than 60°C is stored, exposed to sunlight, and the polymerization inhibitor fails

Prohibited content: Peroxide, Radical initiator

Hazardous decomposition products: CO₂, CO

Section 11 - Toxicological information:

Acute toxicity: No information

Skin irritation or corrosion: May cause skin irritation

Eye irritation or corrosion: May cause eyes irritation

Respiratory or skin irritation: No information

The reproductive cells are mutagenic: No information

Carcinogenicity: No information

Reproductive toxicity: No information

Specific target organ systemic toxicity - single exposure: No information

Specific target organ systemic toxicity - repeated exposure: No information

Inhalation hazards: No information

Section 12 - Ecological information

Ecotoxicity: No information

Persistence and degradation: No information

Potential bioaccumulation: No information

Migration of soil: No information



Section 13 - Disposal considerations

Pollution package:

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

Waste disposal method:

1. Processing by reference to relevant laws and regulations
2. Storage of wastes to be treated in accordance with storage conditions
3. Special incineration or sanitary burial methods can be used for treatment.

Section 14 - Transportation information

	Highway transportation (ADR/RID)	Maritime transport (IMDG)	Air transport (ICAO/IATA)
UN number	None	None	None
United nations transport name	None	None	None
United nations classification of hazards	None	None	None
Categories of packing	None	None	None
Marine pollutant	NO	NO	NO

Instruction:

1. The transport vehicles should be equipped with the corresponding number of fire fighting equipment and emergency leakage equipment.
2. It is forbidden to use mechanical equipment and tools that are easy to spark.
3. It is forbidden to mix with oxidizer, acid, strong alkali and edible chemicals.
4. The packing should be complete during shipment, and the loading should be safe.
5. Product should prevent exposure to the sun, rain, and high temperature during transportation. The best time to transport is the morning and evening.
6. During the stopover, it should stay away from the fire, heat source and high temperature area.

Section 15 - Regulatory information

Conform to the list of chemicals (Chemical Inventories):

Applicable laws and regulations: labor safety and sanitation rules, general rules of the hazard substances and hazardous substances, organic solvent poisoning prevention rules and labor standard harmful material allowable concentration in the air, the working environment of road traffic safety regulations, business store clear standard processing methods and devices.



Section 16 - Other information

Write and edit information:

The safety technical specifications have been revised in 16 content formats with reference to GB/T 17519-2013 / chemical safety technical specifications.

The revision date: 2026/1/1

Important disclaimer:

The data of the company is currently known data, according to the product under normal use, list must pay attention to matters, suggest the user to enable before, should read this data, help to the safe use and correct waste management. Please contact business technical staff if you have any doubts. But this data does not ensure that extended to processed products, whether have you made with materials processing, the user should be aimed at its product testing or certification to fully comply with relevant laws and regulations and requirements of the client, especially special purposes, such as the application of medicine, in case of any dispute and should not belong to the company's liability.

Data maker: Guangzhou BAWO New Material Science Co.,Ltd

