

Material Safety Data Sheet

Revision Date:

02/2024

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product type: **Methylic acrylate**
Recommended use: **Adhesive/bonding compound**

2. COMPOSITION INFORMATION

Chemical name:	CAS	Proportion (%)
Polyglycol dimethacrylate	25852-47-5	30~80
Bis-phenol A Fumarate resin	39382-25-7	10~15
Cumene hydroperoxide	80-15-9	1~3
Saccharin	81-07-2	1~2

3. HAZARDS IDENTIFICATION

Relevant routes of exposure: eye, skin, Inhalation, Ingestion

Potential Health effects:

Inhalation:	May cause respiratory tract. Suck steam may cause nose and breath stimulation, dazed, weakness, tiredness, surfeit, headache, the serious one may lose consciousness
Skin contact:	Moderate skin irritation. May cause allergic skin reaction.
Eye contact:	Contact with eyes will cause irritation, stimulation, rubefaction, weep, eyesight faintness.
Ingestion:	May be harmful if swallowed.

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:	≥93°C
Autoignition temperature:	Not available
Extinguishing media:	If product is involved in fire extinguish with dry chemical, foam or carbon dioxide.
Fire fight proceeding:	Wear self-contained breathing apparatus and full protective clothing, cooling the equipment with cold water.
Hazardous combustion products:	Oxides of carbon. Oxides of sulfur, Oxides of nitrogen, Irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering into drains or open waters.
Clean-up methods:	Ventilate area of spill; keep away from kindling; avoid sucking a great deal of steam, absorb with the sand /earth and dispose to chemical waste bin, dispose in accordance with pertinent national legislation

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Keep light fold and put. Prevent the packing and container from mangling.
Storage:	For safe storage, store at or below 38°C. Keep in a cool, well ventilated area away from heat, sparks and open flame. Avoid sun shine directly, Keep container tightly closed until ready for use. Avoid contacting with strong oxidizers, strong alkalis, strong acid, and other polymerization initiators.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
Respiratory protection:	Usually never need special protection, wear self-breathed filtrated gas mask 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. Butyl rubber gloves.
Eye/face protection:	Wear safety chemical goggles/glasses.
Body protection:	Wear general safety clothes.
Hand protection:	Wear chemical safety glove.

Ventilation: Good general or local exhaust ventilation are required

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and properties: Red liquid
Specific gravity: 1.05
Odor: Characteristic
Solubility: Solved in organic solvent. Solved in water slightly.
pH: Not available
Boiling point: $\geq 149^{\circ}\text{C}$
Melting point: Not available
Flash point: $\geq 93^{\circ}\text{C}$

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Exposure to sunlight. Heat, flames and sparks.
Incompatibility: Strong oxidizers.. Strong alkalis. Strong acid, other polymerization initiators.
Hazardous decomposition products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Phenols. Irritating organic vapors.

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50: Greater than 10000mg/kg (rat).
Estimated dermal LD50: Greater than 5000 mg/kg (rabbit).

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose of according to local governmental and environment protection department regulations.

14. TRANSPORT INFORMATION

Proper transportation name: Unrestricted
Air transportation name: Unrestricted

Water transportation name: Unrestricted

15. REGULATORY INFORMATION

Product and its compositions are not in toxic goods classify of 《China chemicals catalog in existence》 .

16. OTHER INFORMATION

Disclaimer: The data contained herein are furnished in the basis of our knowledge and understanding of current country laws and regulations. Without foreordained written notice, the product can't be used in purpose out of the MSDS. It's the user's responsibility to adopt necessary methods in comply with the requirement of the applied rule of laws.