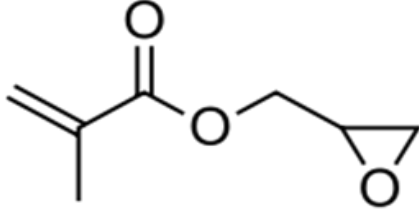

GLYCIDYL METHACRYLATE



IUPAC NAME: oxiran-2-ylmethyl 2-methylprop-2-enoate

CHEMICAL FORMULA: C₇H₁₀O₃, CC(=C)C(=O)OCC1CO1

CAS NO: 106-91-2

MOLECULAR WEIGHT: 142.15 g/mol

PACKING: Bag, 25 KG

PRODUCT DESCRIPTION:

Glycidyl Methacrylate (GMA) is a chemical compound used in polymer chemistry for various applications. It is an ester of Methacrylic Acid and contains both an acrylate group and an epoxy group, making it highly reactive. GMA's unique reactivity enables it to undergo polymerization reactions, leading to the formation of copolymers and resins. It is valued for its ability to enhance adhesion between different materials, making it essential in adhesives and coatings.

PROPERTIES:

- Adhesion
- Cross Linking
- Versatility

APPLICATION AREAS:

- Natural rubber for improving the quality of varnishes and paints.
- Latex for industrial protective coatings.
- Synthetic fibers for enhancing performance properties.
- Thermoplastics for improving structural and ion-exchange materials.
- In the field of Poligraphy.
- In the automotive industry for various applications.
- In radio engineering and microelectronics.
- In biotechnology and medical applications.

IT IS APPLIED IN THE PRODUCTION OF:

- Coating resins
- Adhesives
- Textile finishes
- Ion-exchange resins
- Modifications
- Electrical resistance for electrification.

CHEMICAL PROPERTIES


PURITY	min. 98.5.0 %
ACID CONTENT	max. 0.5%
MOISTURE AMOUNT	max. 0.1 %
COLOUR (APHA)	max. 30
INHIBITOR	100±10 ppm

PHYSICAL PROPERTIES

APPEARANCE	Clear, colourless
PHYSICAL STATE	Liquid
ODOR	Fruity
MOLECULAR WEIGHT:	142.15 g/mol
DENSITY	1.073~1.083 g/cm at 20 °C
BOILING POINT	189 °C
FREEZING POINT	- 41.5 °C
FLASH POINT	76 °C
VISCOSITY	2.14mPa·s at 25°C
VAPOR PRESSURE	1,333 Pa, 10mmHg at 75°C



SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H335 May cause respiratory irritation.</p> <p>H341 Suspected of causing genetic defects.</p> <p>H350 May cause cancer.</p> <p>H360F May damage fertility.</p> <p>H372 Causes damage to organs through prolonged or repeated exposure.</p>
RISK PHRASES	<p>R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R 36/38 Irritating to eyes and skin.</p> <p>R 43 May cause sensitisation by skin contact.</p>
PRECAUTIONARY STATEMENT(S)	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
STORAGE CLASS	Storage class 3B Flammable Liquids
STORAGE CONDITIONS	Store container tightly sealed at a cool and dry place with sufficient ventilation.



	<p>Prevent any seepage into the ground.</p> <p>Protect from exposure to the light.</p> <p>Avoid contact with air / oxygen.</p>
DISPOSAL	<p>European waste catalogue:</p> <p>07 00 00: Wastes from organic chemical processes</p> <p>07 01 00: waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals</p> <p>07 01 99: wastes not otherwise specified</p>
TRANSPORT INFORMATION	<p>Land transport ADR/RID (cross-border):</p> <ul style="list-style-type: none">• ADR/RID class: 8 (CT1) Corrosive substances.• Danger code (Kemler): 86• UN-Number: 2922• Packaging group: III• Label: 8+6.1• Description of goods: Toxic liquid, organic, n.o.s., 2,3-epoxypropyl methacrylate <p>Maritime transport IMDG:</p> <ul style="list-style-type: none">• IMDG Class: 8• UN Number: 2922• Label: 8+6.1• Packaging group: III• EMS Number: F-A,S-B• Marine pollutant: No• Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (2,3-epoxypropyl methacrylate) <p>Air transport ICAO-TI and IATA-DGR:</p> <ul style="list-style-type: none">• ICAO/IATA Class: 8• UN/ID Number: 2922• Label: 6.1• Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (2,3-epoxypropyl methacrylate)
<p>For more information, check the SAFETY DATA SHEET or get contact with us.</p>	