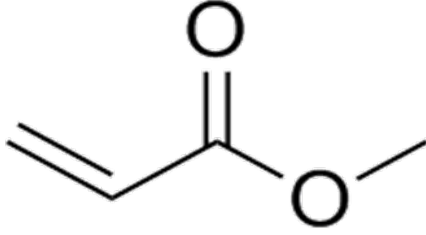

METHYL ACRYLATE



IUPAC NAME: methyl prop-2-enoate

CHEMICAL FORMULA: C₄H₆O₂, COC(=O)C=C

CAS NO: 96-33-3

MOLECULAR WEIGHT: 86 g/mol

PACKING:

PRODUCT DESCRIPTION:

Methyl Acrylate (MA) is an ester of Acrylic Acid and is used as a raw material in the synthesis of polymers. Methyl Acrylate (MA) can form homopolymers and copolymers. Copolymers of Methyl Acrylate (MA) can be prepared with (meth)acrylic acid and its salts, amides, and esters, along with (meth)acrylates, acrylonitrile, maleic esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, and other monomers.

PROPERTIES:

- Flexibility
- Elasticity
- Adhesiveness
- Adhesion

APPLICATION AREAS:

Methyl Acrylate (MA) is used as a co-monomer in the production of polyacrylonitrile fibers and organic glass. It is also widely used as a co-monomer in the synthesis of acrylic dispersions, which find applications in adhesives, binders, leather impregnation compositions, printing, varnishes, paper, cellulose, and other industries.

IT IS APPLIED IN THE PRODUCTION OF:

- Acrylic dispersions
- Paints and varnishes
- Textiles
- Cellulose and paper
- Leather
- Printing
- Adhesives
- Binders
- Inks



CHEMICAL PROPERTIES

PURITY	min. 99.8 %
ACID CONTENT	max. 0.009 %
MOISTURE AMOUNT	max. 0.05 %
COLOUR (APHA)	max. 10
INHIBITOR	15 ± 5 ppm MEHQ

PHYSICAL PROPERTIES

APPEARANCE	Clear, colorless
PHYSICAL STATE	Liquid
ODOR	pungent
DENSITY	0.956 g/cm ³ at 20 °C
BOILING POINT	80 °C
FREEZING POINT	- 75 °C
VAPOR PRESSURE	90.5 mbar at 20 °C

SAFETY INFORMATION

HAZARD PICTOGRAM(S)	 
HAZARD STATEMENT(S)	<p>H225 Highly flammable liquid and vapor.</p> <p>H302 + H312 Harmful if swallowed or in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H331 Toxic if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
PRECAUTIONARY STATEMENT(S)	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P273 Avoid release to the environment.</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 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.</p>
STORAGE CLASS	Storage class (TRGS 510): 3: Flammable liquids
STORAGE CONDITIONS	<p>Keep the container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up or in an area accessible only to qualified or authorized persons.</p> <p>Recommended storage temperature: 2 - 8 °C</p>
TRANSPORT INFORMATION	<p>UN number:</p> <ul style="list-style-type: none"> ADR/RID: 1919



- IMDG: 1919
- IATA: 1919

UN proper shipping name:

- ADR/RID: METHYL ACRYLATE, STABILIZED
- IMDG: METHYL ACRYLATE, STABILIZED
- IATA: Methyl acrylate, stabilized

Transport hazard class(es):

- ADR/RID: 3
- IMDG: 3
- IATA: 3

Packaging group:

- ADR/RID: II
- IMDG: II
- IATA: II

Environmental hazards:

- ADR/RID: no
- IMDG Marine pollutant: no
- IATA: no

For more information, check the SAFETY DATA SHEET or get contact with us.