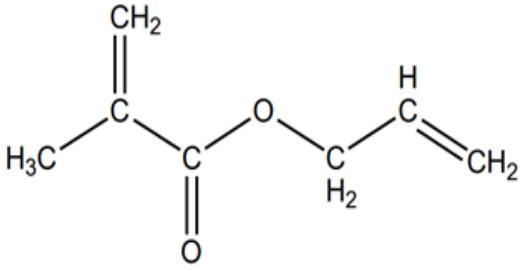

ALLYL METHACRYLATE

IUPAC NAME: prop-2-enyl 2-methylprop-2-enoate

CHEMICAL FORMULA: C₇H₁₀O₂, CH₂=C(CH₃)-COOCH₂CH=CH₂

CAS NO: 96-05-9

MOLECULAR WEIGHT: 126.15 g/mol

PACKING: Barrel, 180 KG

PRODUCT DESCRIPTION:

Allyl Methacrylate (AMA) is an ester of Methacrylic acid and is used as a raw material in the synthesis of polymers. Allyl Methacrylate (AMA) is a monomer with a characteristic high reactivity, containing both allylic and methacrylic functionalities, and a cyclic hydrophobic group attached to the methacrylate group. It forms homopolymers and copolymers. Copolymers of Allyl Methacrylate (AMA) can be prepared with (meth)acrylic acid and its salts, amides, esters, etc.

PROPERTIES:

- Cross Linking
- Adhesion
- Chemical resistance
- Hardness
- Heat resistance
- Low shrinkage

APPLICATION AREAS:

- oil additives as flow improver
- in-floor waxes
- textile and metal coatings
- paint and varnishes
- pressure-sensitive adhesives,
- low temperature caulks
- sealants.

IT IS APPLIED IN THE PRODUCTION OF:

- Architectural Coatings
- Automotive Coatings
- Construction Coatings
- Industrial Coatings
- Dental Composites
- Optical Polymers
- Photoresists
- UV Inkjet Inks


CHEMICAL PROPERTIES

PURITY	min. 98.0 %
ACID CONTENT	max. 0.005 %
MOISTURE AMOUNT	max. 0.05 %
COLOUR (APHA)	max. 15
INHIBITOR	100 ± 20 ppm MEHQ

PHYSICAL PROPERTIES

APPEARANCE	Colourless
PHYSICAL STATE	Liquid
ODOR	Bitter, strong odor
DENSITY	0.930 - 0.940 at 20 °C
BOILING POINT	144 °C
FREEZING POINT	< - 60 °C
FLASH POINT	37.8 °C
VISCOSITY	0.72 mPa · s at 25 °C
VAPOR PRESSURE	5mmHg at 25 °C

SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H226 Flammable liquid and vapour. H302 Harmful if swallowed.</p> <p>H312 Harmful in contact with skin. H331 Toxic if inhaled.</p> <p>H400 Very toxic to aquatic life.</p>
RISK PHRASES	<p>R10 Flammable.</p> <p>R21/22 Harmful in contact with skin and if swallowed. R23 Toxic by inhalation.</p> <p>R50 Very toxic to aquatic organisms.</p>
SAFETY PHRASES	<p>S36/37 Wear suitable protective clothing and gloves.</p> <p>S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p> <p>S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.</p>
PRECAUTIONARY STATEMENT(S)	<p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing.</p> <p>P311 Call a POISON CENTER or doctor/ physician.</p>
STORAGE CONDITIONS	<p>Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.</p> <p>Recommended storage temperature: 2 - 8 °C</p> <p>Light sensitive.</p>
DISPOSAL	<p>Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.</p> <p>Contaminated packaging: Dispose of an unused product.</p>



**TRANSPORT
INFORMATION**

UN number:

- ADR/RID: 2929
- IMDG: 2929
- IATA: 2929

UN proper shipping name:

- ADR/RID: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S. (2-Methyl-2-propenoic acid 2-propenyl ester)
- IMDG: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S. (2-Methyl-2-propenoic acid 2-propenyl ester)
- IATA: Toxic liquid, flammable, organic, n.o.s. (2-Methyl-2-propenoic acid 2-propenyl ester)

Transport hazard class(es):

- ADR/RID: 6.1 (3)
- IMDG: 6.1 (3)
- IATA: 6.1 (3)

Packaging group:

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

Environmental hazards:

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

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