



Ethyl Methacrylate

EMA



Ethyl Methacrylate (EMA) is an ester of methacrylic acid. It is a liquid, colourless monomer with a characteristic, pungent odor. Slightly soluble in water and miscible with most organic solvents. Ethyl methacrylate is a reactive, flexible monomer which polymerizes readily with itself and other monomers to produce thermoplastic and thermosetting polymers. These polymers have a wide range of properties and applications.

Ethyl methacrylate is used in the manufacture of homopolymers and copolymers. It can be copolymerized with acrylic acid and its salts, esters, acrylamide, methacrylic acid, methacrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, styrene, butadiene and unsaturated polyesters.

It is also used in the polymerization of emulsions for the manufacture of paints, coatings and adhesives.

Major uses:

- Resins and dispersions for paints, varnishes and inks
- Aqueous dispersions for textiles and leather
- Plastics and synthetic resins (acrylic sheets)
- Synthetic rubbers and lattices
- Medical and dental resins (used in prosthetics and orthopedic cement)

Parameters

Chemical Formula	$C_6H_{10}O_2$
CAS Nbr.	97-63-2
EINECS-number:	202-597-5
Appearance	Clear, colourless liquid
Color	max 10 hz
Purity	min 99.50 %
Water	max 0.10 %
Acidity	max 0.03 %
Density	0.910 – 0.916 g/cm ³
Inhibitor MEHQ	25 +/- 5 ppm

EMA is available in 180 kg drums / 850 kg IBC or in bulk.

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