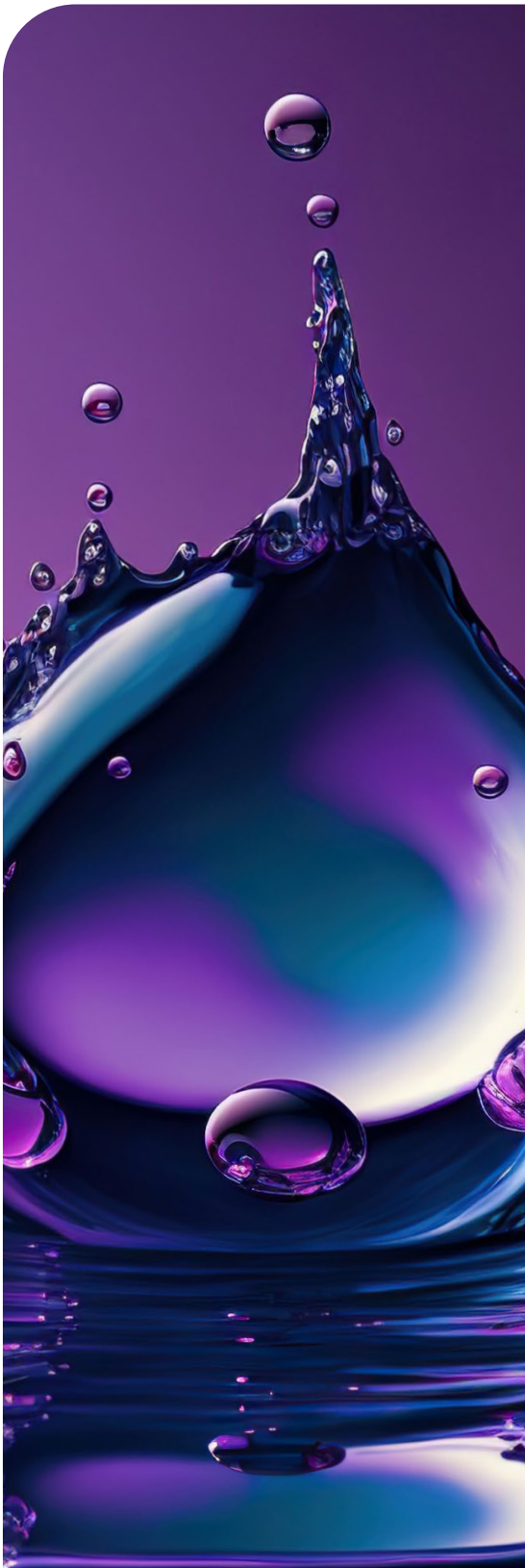


Tertiary Butyl Acrylate

t-BA



tert-Butyl Acrylate (t-BA) is an ester of acrylic acid and is used as a raw material component in the synthesis of polymers. tert-Butyl Acrylate (TBA) is a monofunctional monomer with a characteristic high reactivity of acrylates and a long hydrophobic group. It forms homopolymers and copolymers. Copolymers of tert-Butyl Acrylate (TBA) can be prepared with (meth)acrylic acid and its salts, amides, and esters as well as (meth)acrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, and other monomers.

tert-Butyl Acrylate is also a very useful feedstock for chemical syntheses, because it readily undergoes addition reactions with a wide variety of organic and inorganic compounds

Major uses: (coatings and inks / plastic / paper / adhesives)

- used for the production of solid polymers, aqueous dispersions, and polymer solutions, which are used as coatings, binders, adhesives, and sealants in the automotive industry, in the rubber, paint and varnish, pulp and paper and other industries.
- can be used in emulsion polymerization similar to other well-known acrylates like Butyl Acrylate or Methyl methacrylate. As the hydrolytic stability under harsh acidic conditions is reduced for tert-Butyl Acrylate (elimination of iso-butylene), it is recommended to use for the polymerization a pH range of 3-4 (controlled via puffer or alkaline substances like ammonia or bicarbonate).

Parameters

Appearance	Clear, colourless liquid
Purity	min. 99.00 %
Colour (Pt-Co)	max. 10
Acid Content (as AA)	max. 0.10 %
Water Content	max. 0.04%
Inhibitor (MEHQ)	10 - 20 ppm
CAS No.	1663-39-4

t-BA is available in 180 kg drums / 850 kg IBC or in iso tanks.

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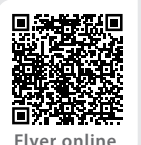
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