

Butyl acrylate

Acryl acid ester, for manufacturing polymers and for use as a feedstock for syntheses

Butyl acrylate forms homopolymers and copolymers. Copolymers of butyl acrylate can be prepared with acrylic acid and its salts, amides and esters, and with methacrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, unsaturated polyesters and drying oils, etc. 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.

Molecular weight 128.2

Viscosity @ 20°C 0.856 cP

Boiling Point 148.0 °C

Freezing Point -64.6 °C

Flash Point 38 °C

Color <10 APHA

Specific gravity 0.896 - 0.901

Purity >99.5 wt%

Water Content <0.05 wt%

Inhibitor, MEHQ 8.6 - 9.6 ppm

Latent heat 10.8 Kcal/mol

Specific heat 0.46 Kcal/Kg°C

Heat of polymerization 18.5 Kcal/mol

Refractive index n_D^{20} 1.4156

Vapor Pressure @ 60 °C 32

Vapor Pressure @ 80 °C 77

Vapor Pressure @ 100 °C 165

Vapor Pressure @ 140 °C 580

Lel 1.1 vol%

Uel 10 vol%