

BUTYL ACRYLATE

CAS Number: 141-32-2

Other Names: n-Butyl acrylate, butyl prop-2-enoate,
Acrylic acid butyl ester.

Formula: C₇H₁₂O₂

PRODUCT INTRODUCTION

Butyl acrylate is an acrylate ester obtained by the formal condensation of the hydroxy group of butan-1-ol with the carboxy group of acrylic acid. Butyl acrylate appears as a clear colorless liquid with a sharp characteristic odor. Very slightly soluble in water and somewhat less dense than water. Used for making paints, coatings, caulks, sealants, adhesives.

PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------------|------------|
| Purity | 99.73 wt% |
| Color | 5 APHA |
| Water | 0.01 wt% |
| Inhibitor (MEHQ) | 100 wt ppm |
| Acidity | 6 wt ppm |
| Specific Gravity (20/4°C) | 0.9 |

APPLICATIONS

- Butyl acetate is used as monomer for the manufacture of polymers and resins for textile and leather finishes and paint formulations.
 - Butyl acrylate is used in the production of homopolymers and co-polymers such as acrylic acid and its salts, esters, amides, methacrylates, acrylonitrile, maleates, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene and unsaturated polyesters.
 - When used in latex paint formulations acrylic polymers have good water resistance, low temperature flexibility and excellent weathering and sunlight resistance.
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PACKAGING OPTIONS

Drums
