

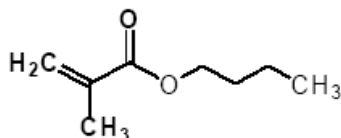
Technical data sheet

DESCRIPTION

n-Butyl methacrylate

BMA**CAS:** 97-88-1

CHEMICAL STRUCTURE



INTRODUCTION

Butyl methacrylate can be used as comonomer of polymethyl methacrylate. The monomer polymer has higher adhesive bonding and well elasticity, can be used for making the transparent interlayer material of complex safety glass; the polymer or copolymer of butyl methacrylate can be used as insulating potting compound, photo negative anti-halation layer, underwater paint, saloon car coating, synthetical adhesive, oil additives, finishing agent for paper, leather and textile.

SALES SPECIFICATION

Degree of purity: min. 99.5% (GC)
Acid content: max.0.01% (acid-base titr., calculated as MAAC)
Watercontent: max.0.03%
Color: max.5 (Pt-Co)
Stabilization: 10±5 ppm MEHQ

PHYSICAL DATA

Appearance: clear, colorless liquid
Odor: ester-like
Molecular weight: 142.2 g/mol
Density: 0.896 g/cm³ (20°C)
Refractive index: 1.424 (20°C)
Solidification point: -75°C
Boiling point: +163.5°C (1013 mbar)
Viscosity: 1.09 mPa.s (20°C)
Flashpoint: +46.0°C
Polymervitrification point: 20°C
Solubility (20°C): 0.58% (ester in water)
0.51% (water in ester)

GENERAL HINTS

Combustible! Polymerization may be initiated by contamination with peroxides, azo compounds, heavy metal ions, tert. Amines, S compounds. Polymerization is also induced by light. Atmospheric oxygen saturation in the monomer is necessary for stability. Storage temperatures should not exceed 35°C.

PACKAGE

Steel drums, 180kg net weight, or stainless steel tank.

TRANSPORTATION AND STORAGE

Avoid shine rain and high temperature in transportation;
Store the products in cool, shady and ventilated conditions, keep far away from fire;
6 months from date of delivery at a maximum storage temperature of 30°C.

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