

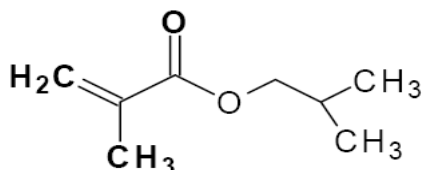
## Technical data sheet

### DESCRIPTION

Isobutyl methacrylate

**IBMA****CAS:** 97-86-9

### CHEMICAL STRUCTURE



### INTRODUCTION

As an organic synthetical monomer isobutyl methacrylate is used as resin, plastic, coating, printing ink, adhesive, lube oil additive dentistry material, fiber treating compound and paper coating agent.

### SALES SPECIFICATION

Degree of purity:	min. 99.5% (GC)
Acid content:	max.0.01% (acid-base titr., calculated as MAAC)
Watercontent:	max.0.02%
Color:	max.5 (Pt-Co)
Stabilization:	10±5 ppm MEHQ (HPLC )

### PHYSICAL DATA

Appearance: clear, colorless liquid

Odor:	ester-like
Molecular weight:	142.2 g/mol
Density:	0.888 g/cm <sup>3</sup> (20℃)
Refractiveindex:	1.420(20℃)
Solidification point	-37℃
Boilingpoint:	+155℃(1013.25mbar)
Vaporpressure	4mbar(20℃)
Viscosity:	0.9mPa.s (20℃)
Flashpoint:	+43.0℃
Polymervitrificationpoint:	53℃
Solubility (20℃):	0.20%(ester in water) 0.50%(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℃.

### 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℃.

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