

Technical data sheet

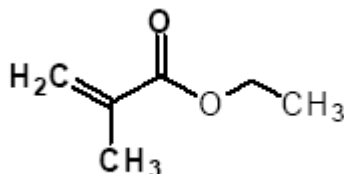
DESCRIPTION

Ethyl methacrylate

EMA

CAS: 97-63-2

CHEMICAL STRUCTURE



INTRODUCTION

It can be produced organic glass, synthetic resin and coating and so on by aggregation or copolymerized with other monomer.

SALES SPECIFICATION

Degree of purity:	min. 99.5% (GC)
Acid content:	max.0.02% (acid-base titr., calculated as MAA)
Water content:	max.0.02%
Color:	max.10 (Pt-Co)
Stabilization:	20±5 ppm MEHQ (HPLC)

PHYSICAL DATA

Appearance:	clear, colorless liquid
Odor:	ester-like

Molecular weight:	114.1 g/mol
Density:	0.91 g/cm ³ (20°C)
Refractive index:	1.415 (20°C)
Boiling point:	+118°C (1013 mbar)
Solidification	-75°C
Vapor pressure	21.3mbar(59°C)
Viscosity:	0.63 mPa.s (20°C)
Flash point:	+15°C
Polymer vitrification point:	65°C
Solubility (20°C):	0.40%(ester in water) 0.77%(water in ester)

GENERAL HINTS

Flammable! 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;
The storage life is 6 months at 30°C.