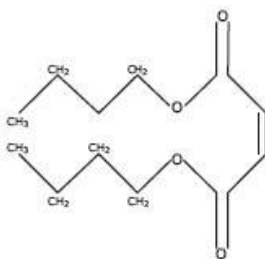


FormulaC₁₂H₂₀O₄**Molecular Weight**

228

CAS registry number

105-76-0

Molecular Structure

Product Specifications	Value	Test Method
Specific Gravity @ 25°/25°C	0.996	ASTM D-4052
Ester content, % weight, minimum	99,0	ASTM D-3465
Acid Number, mg KOH/g, maximum	0,05	ASTM D-1045
Water,% by weight, maximum	0,10	ASTM E-1064
Color, Pt-Co units (APHA), maximum	30	ASTM D-5386
Suspended matter	COLSFFM*	Visual

*Clear Oily Liquid Substantially Free of Foreign Material

Typical Physical Properties

Apparent specific gravity @ 25°/25°C	0,996
Boiling range @ 6,7 mbar, °C	300
Solubility @ 25°C	
in water, % by wt	0,3
Absolute viscosity	
@ 20°C, cP	7
Refractive index N _D ²⁵	1,445
Flash point (COC), °C	140
Odour	Mild characteristic

*The properties value above are just for reference and not to be considered as guaranteed parameters

Description

Plasticizer used mainly as a comonomer in copolymerization reactions with other monomers of the vinylic type such as PVC. It is also used in the manufacturing of plastisols, adhesives, additives and synthetic lubricants. The copolymers formed with vinyl acetate and DBM are used in the manufacturing of paints, giving them a higher flexibility, stability to water and ultra violet light, besides a higher adherence.

Applications

Di-butyl Maleate used as a plasticizer in water resistant films, and as a comonomer in vinyl and acrylic emulsion polymers. It is also used as an intermediate for pesticides and surfactants. As a comonomer DBM finds its application in adhesive, paint and textile processing industry.

Safety

Avoid eye contact by wearing personal protective equipment. Avoid repeated or prolonged skin contact. Avoid breathing vapors by providing adequate ventilation.

This data is based on technical Information available at the time of writing. However, they do not represent a specific guarantee on product performance and it is subject to change if required.