

KANATOL - 4M

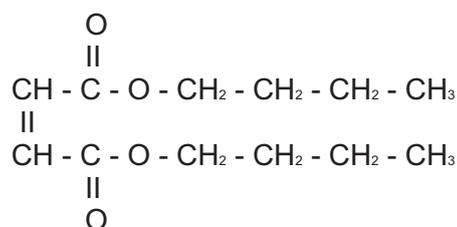
DI BUTYL MALEATE (DBM)

Internal plasticizer for PVA ,Styrene & Acrylates.

Chemical Nature

Maleic acid ester of C₄ alcohol

Chemical Name	:-	DI Butyl Maleate
Trade Name	:-	DBM
Molecular Formula	:-	C ₁₂ H ₂₀ O ₄
Molecular Weight	:-	228
Molecular Structure	:-	C ₂ H ₂ (COOC ₄ H ₉) ₂



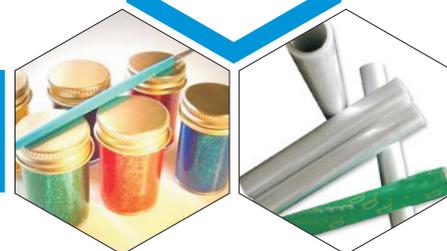
CAS Number	:-	105-76-0
UN. NO	:-	3082
EINECS NO	:-	203-328-4

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	40 max.
	Volatile Loss (110°C/2 Hrs)	wt. %	KLJTM	0.50 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	490-495.
	Acidity	wt. %	ASTM-D-1045-86	0.020 max.
	Moisture	wt. %	ASTM-E-203	0.15 max.
	Specific Gravity (27°C)		ASTM-D-1045-86	0.985 – 0.995.
	Ester content	wt. %	ASTM-D-1045-86	99.00min.
	Heat Stability (150°C/2 Hrs)	HU	ISI-9591-96	50 HU.
	Acidity after heat treatment	wt. %	ASTM-D-1045-86	0.05.
	Plasticizing Esters by GC	% by area	KLJTM	99.00 min.
Typical Properties				
	Boiling Point	°C	Lit	280.6
	Pour point	°C	Lit.	-50
	Viscosity at 20°C	cp	KLJTM	8±2
	Flash Point (CC)	°C	KLJTM	120
	Refractive Index (27°C)		ASTM-D-1045-86	1.444 – 1.456

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Properties

DBM is clear, colourless and almost odourless liquid.

Application

Be used in co-monomers such as the vinyl acetate, vinyl chloride, vinylidene chloride and so on, having the effect of increasing the bindability and internal plasticization; also can be used as the plasticizer of the PVC resin and methacrylic acid resins; as the solvent, it can be used for preparing the chromophotograph emulsion and special type ink, etc.; it also can be used as the gelation accelerator, adhesive, vapour-phase chromatography fixing solution, anticorrosive additive, insecticide, bactericide and surfactant.

Packing & Storage

DBM is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 fcl flexi tank or in road tanker. It is stored in tightly closed container, in a cool, dry, ventilated area.

Shelf Life

Original characteristics remain intact for 12 months, if kept in recommended storage.

Safety

The MSDS can be provided on request.

Disclaimer

The data contained in this publication are based on our current knowledge and experience. During processing, there are so many factors which may affect the application part of DBM, so these data neither imply any guarantee of certain properties, nor the suitability of the product for the specific purpose. Any data given in this publication may change without prior information and donot constitute the agreed quality of our product.

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