



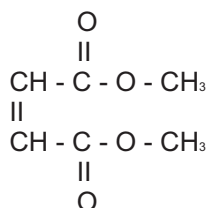
DI METHYL MALEATE (DMM)

DI METHYL MALEATE (DMM)

Chemical Nature

Maleic acid ester of Methanol

Chemical Name	:-	DI Methyl Maleate
Trade Name	:-	DMM
Molecular Formula	:-	C ₆ H ₈ O ₄
Molecular Weight	:-	144
Molecular Structure	:-	CH ₃ OOCCH=CHCOOCH ₃



CAS Number	:-	624-48-6
UN. NO	:-	2810
EINECS NO	:-	210-848-5

Specification

Characteristics

Unit

Test Method

Value

Colour	HU	ASTM-D-1045-86	40 max.
Volatile Loss (110°C/ 1Hrs)	wt. %	KLJTM	1.0max.
Ester Value	mg KOH/g	ASTM-D-1045-86	779 ± 3.
Acidity	wt. %	ASTM-D-1045-86	0.030 max.
Moisture	wt. %	ASTM-E-203	0.40 max.
Specific Gravity (27°C)	-	ASTM-D-1045-86	1.14 ± 0.003.
Ester content	wt. %	ASTM-D-1045-86	99.00 min.
Heat Stability (150°C/ 2Hrs)	HU	ISI-9591-96	50 HU
Acidity after heat treatment	wt. %	ASTM-D-1045-86	NA
Plasticizing Esters by GC	% by area	KLJTM	99.00 min.

Typical Properties

Boiling Point	°C	Lit.	205
Pour point	°C	Lit .	-17.5
Flash Point	°C	KLJTM	95
Refractive Index (27°C)	--	ASTM-D-1045-86	1.438 ±1.446

Total Solution in Plasticizers



DI METHYL MALEATE (DMM)

Properties

DMM is clear, colourless liquid, with characteristic smell, insoluble in water but miscible with organics solvents.

Application

DMM is used as an additive and intermediate for plastics, pigments, pharmaceuticals, and agricultural products. DMM is an intermediate for the production of paints, adhesives and copolymers. It is used in many organic synthesis including as a dienophile of diene sytheses.

Packing & Storage

DMM is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 MT in Flexi tank / ISO tank / road tanker. It is stored in tightly closed container,, in a cool (<25°C), 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 DMM, 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 do not constitute the agreed quality of our product.

Total Solution in Plasticizers