

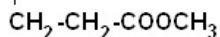
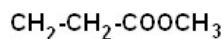


DI – METHYL ADIPATE (DMA)

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Chemical Nature

Adipic acid ester of Methanol
 Chemical Name :- Di - Methyl Hexanedioate
 Trade Name :- DMA
 Molecular Formula :- C₈H₁₄O₄
 Molecular Weight :- 174
 Molecular Structure :- CH₃OOC(CH₂)₄COOCH₃



CAS Number :- 627 - 93 - 0
 UN. NO :-
 EINECS NO :- 211 – 020 - 6

Specification

Characteristics

Unit

Test Method

Value

Colour	HU	ASTM-D-1045-86	40 max.
Refractive Index (27°C)	--	ASTM-D-1045-86	1.422 ± 1.432.
Volatile Loss (110°C/1 Hrs)	wt.%	KLJTM	0.3.
Ester Value	mg KOH/g	ASTM-D-1045-86	640 ± 5
Acidity	wt.%	ASTM-D-1045-86	0.05 max.
Moisture	wt.%	ASTM-E-203	0.40 max.
Specific Gravity (27°C)	-	ASTM-D-1045-86	1.060 ± 0.003.
Ester content	wt.%	ASTM-D-1045-86	99.50 min.
Heat Stability (150°C/2 Hrs)	HU	ISI-9591-96	50 HU.
Acidity after heat treatment	wt.%	ASTM-D-1045-86	NA.
Plasticizing Esters by GC	% by area	KLJTM	99.50 min.

Properties

DMA is almost colourless and odourless oily liquid, free of foreign materials does not dissolve in water, dissolves in organic solvents, like the chloroform, gasolene, ethyl acetate, methanol, toluene, mineral oil.

Apprication

DMA is used as a solvent for paint stripping and resins.

As a cleaner for polymeric residues.

Used as a pigment dispersant.

It is used as an intermediate to produce agrochemicals & dyes.

Total Solution in Plasticizers

KLJ Group

Trust built on performance



DI – METHYL ADIPATE (DMA)

Packing & Storage

DMA is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 MT Flexi tank / ISO tank / road tanker. It is stored in tightly closed container, in a cool ($< 25^{\circ}\text{C}$), dry, shaded 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 DMA, 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.

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