

DIETHYL MALEATE (KANATOL – 2 M)

DIETHYL MALEATE

Plasticizers for Surfactant

Chemical Nature Maleic acid ester of ethanol

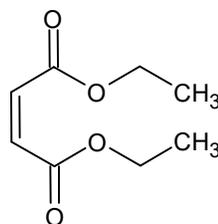
Chemical Name : Diethyl maleate

Trade Name : DEM

Molecular Formula : $C_8H_{12}O_4$

Molecular Weight : 172.18

Molecular Structure :



CAS No. : 141-05-9

UN No. : Not Applicable

EINECS No. : 205-451-9

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-2008	Max. 20
	Volatile Loss (110°C/1h)	Wt. %	KLJ-TM-P-11-92	Max. 1.0
	Ester Value	mg KOH/g	ASTM-D-1045-2008	649-655
	Acidity	Wt. %	ASTM-D-1045-2008	Max. 0.030
	Moisture	Wt. %	ASTM-E-203-2008	Max. 0.20
	Specific Gravity (27°C)	---	ASTM-D-1045-2008	1.057-1.063
	Heat Stability (150°C/2h)	HU	ISI-9591-2013	Max. 50
	Diethyl Maleate	area %	KLJ-TM-P-12-98	Min. 98.00
	Diethyl fumarate	area %	KLJ-TM-P-19-98	Max. 2.00
	Residual Alcohol	area %	KLJ-TM-P-12-98	Max. 0.05

Typical Properties

Boiling Point	°C	---	225
Flash Point (CC)	°C	KLJTM	104.9
Refractive Index (27°C)	--	ASTM-D-1045-2008	1.433-1.443

Total Solution in Plasticizers



DIETHYL MALEATE (KANATOL – 2 M)

Properties

DEM is clear liquid having characteristic odour. It is miscible with alcohol and hexane and immiscible with water.

Application

DEM use for manufacturing of Surfactant, insecticide and pesticides. Chemical product of DEM and amines used in coatings, adhesives, sealants and elastomers.

Packing & Storage

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

Shelf Life

DEM keep its original characteristics minimum for 24 months, if kept in recommended storage conditions.

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 DEM, 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