

RHODIASOLV RPDE

PRODUCT DATA SHEET E 90002125 - June 2014

IDENTIFICATION

DIMETHYL GLUTARATE, DIMETHYL SUCCINATE, DIMETHYL ADIPATE

CH₃-OCO – (CH₂)_n – COOCH₃ (n = 2, 3, 4)

CAS N° : 1119 – 40 – 0 / 106 – 65 – 0 / 627 – 93 – 0

SPECIFICATIONS

Distribution (% weight) (GC)	Dimethyl glutarate : 57 – 67 Dimethyl succinate : 18 – 28 Dimethyl adipate : 8 – 22	540MA3C71
Ester content (%)	≥ 99.5	540MA3C71
Colour (Apha)	≤ 10	542MA3C06
Water content (%)	≤ 0.05	540MA3C74
Methanol content (%) (GC)	≤ 0.2	540MA3C71
Acid value (mg KOH/g) (Acidometry)	≤ 0.3	540MA3C21

TYPICAL PROPERTIES

Molecular weight (g/mol)	158.6
Density at 20°C (g/cm ³) (540MA3C24)	1.090
Refractive index at 20°C	1.4225
Distillation range under 1013 hPa (°C)	200 – 235
Vapour pressure at 20°C (hPa)	0.06



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Dynamic viscosity at 20°C (mPa.s)	2.9
Solubility at 20°C (%) :	
Water in solvent	3.44
Solvent in water	5.70
Flash point (°C) Closed cup. (ISO 1523)	100
Freezing point (°C)	- 20
Autoignition point (°C)	360

STANDARD APPLICATIONS

Paints (can and coil coating).
 Printing inks.
 Foundry core binder.
 Solvent base cleaners.
 Plasticizer.
 Magnet wire.

STANDARD PACKAGING

4 Metal drums 225 kg / Pal. 900 kg
 Plastic container 1000 Kg
 20 tons bulk

SHELF LIFE

730 days

WARNING

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