

Technical data sheet

Diisobutylhexahydrophthalate (DIBE)

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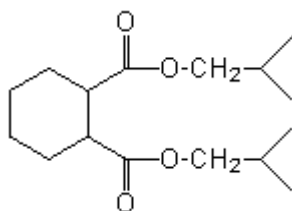
Synonyms

1,2 – Cyclohexanedicarboxylic acid, bis(2-methylpropyl)ester.

Formula

$C_{16}H_{28}O_4$

Structural formula



Molecular weight: 284.4

CAS number

70969-58-3

EINECS number

275-069-5

Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Clear liquid	L000	
Moisture	%	0.1 max	GM 010	ASTM E-203
Colour	HZ	10 max	GM011	ASTM D-1209
Acidity (as Acetic Acid)	%	0.01 max	L013	ASTM 0-1613
Refractive Index n_D^{20}		1.446 ÷ 1.456	GM020	ASTM D-542
Density @ 20°C	g/ml	0.995 min.	GM014	ASTM D-891

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
Boiling point	°C	312.7
Viscosity @ 20°C	mPa.s	18.3
Flash point (O.C.)	°C	172

Main applications

DIBE is mainly used as solvent.
Other known application is as plasticizer for PVC.

Handling

Packaging: steel painted drum 200 kg;
bulk.

Storage: it must be stored away from open flames or other potential ignition sources, and should be protected from moisture.

Shelf life: 12 months from production date.

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