

Technical data sheet

Diethyl Acetyl Succinate (DEAS)

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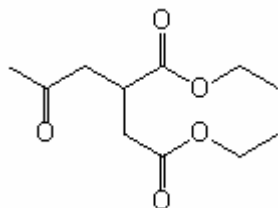
Synonyms

Diethyl 2- (2-oxopropyl) succinate.
Butanedioic acid, (2-oxopropyl)-diethyl ester

Formula

$C_{11}H_{18}O_5$

Structural formula



Molecular weight: 230.3

CAS number

1187-74-2

EINECS number

Product specification

Characteristics	Unit	Value	Method*	Reference
Appearance		Clear liquid	L000	
Purity	%	98.0 min	GM002 – AII047	
Moisture	%	0.1 max	GM 010	ASTM E-203
Acid number	mgKOH/g	1 max	L013	ASTM D-1613
Sulphated Ash	ppm	100 max	GM 015	ASTM D-842

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
Solidification point	°C	<- 35
Boiling point	°C	295
Vapour pressure @ 118°C	mmHg	3.04
Flash point (O.C.)	°C	>110
Density @ 20°C	g/ml	1.080

Main applications

DEAS is mainly used as intermediate for chemical agro industry.

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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