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## Technical data sheet

### Dimethyl Sebacate (DMSe)

Version: May 2013

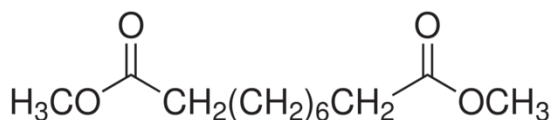
#### Synonyms

Sebacic acid, dimethyl ester

#### Formula

C<sub>12</sub>H<sub>22</sub>O<sub>4</sub>

#### Structural Formula



#### Molecular Weight

230,20

**CAS N. :** 106-79-6

**EINECS N. :** 203-431-4

#### Product specification

Characteristics	Unit	Value	Method*
Appearance at temperature > 30°C		Clear liquid, free from suspended matter	Visual
Appearance at room temperature		White to whitish solid	
Colour (liquid phase)	APHA/Hazen	10 max.	AM 018
Acid number	mgKOH/g	2,0 max..	AM 006
Water content	%	0,15 max.	AM 023
Esters content	%	99,0 min.	AM 999

\* Internal methods available upon request.

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**Typical properties**

Characteristics	Unit	Value
Melting Point	°C	29-31
Boiling Point	°C	Appr. 293
Water Solubility	g/L	Appr. 0,12

**Main applications**

Dimethyl sebacate Is used as a plasticizer and solvent for resins and rubbers. It is used as an intermediate to produce other organic compounds including UV stabilizers, pharmaceutical and colorants.

**Handling**

Packaging: Steel drum 200 kg net;  
bulk;  
IBC 1000 Kg

Storage: The packaged material shall be kept into its original packaging, in cool and well ventilated place, neither under rain nor in wet places, away from flames and heating sources. The bulk material shall be stored in stainless steel tanks, under nitrogen blanketing; for a long lasting quality the material shall be kept at ambient temperature (ideally not above 30°C) and away from any flame or concentrated heat source

Shelf life: 1 year from production date

*The information contained in this sheet is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of going to press. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing stated here may be taken or construed as implying of any existing patents. Nor is any warranty, whether explicit or implicit, given with regard to results to be obtained through the use of the aforesaid information.*

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