

Technical data sheet

Dimethyl phthalate (DMP)

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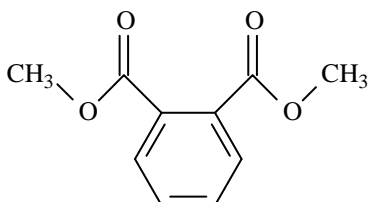
Synonyms

Dimethyl phthalate

Formula

$C_{10}H_{10}O_4$

Structural formula



Molecular weight: 194.19

CAS number: 131-11-3

EINECS number: 205-011-6

Product specification

Characteristics	Unit	Value	Method*
Appearance		Clear Liquid, free from suspended matter	Visual
Colour	APHA/Hazen	<= 20	AM 018
Odour		Very mild	AM 074
Acidity as Phthalic acid	%	<= 0.01	AM 006
Water content	%	<= 0.1	AM 023
Ester content	%	>= 99.5	AM 999

* Internal methods available upon request.



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Typical properties

Characteristics	Unit	Value
Boiling point @ 760 mmHg	°C	248
Density @ 20 °C	g/ml	1.191
Melting Point	°C	-40
Flash point (closed cup)	°C	146

Main applications

Main application for DMP is:

- DMP is a plasticizer for special application, as log as solvent and a stabilizer for peroxides.

Handling

Packaging: Steel drums 250 kg net.
IBC 1100 kg net
Bulk

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: 5 years from production date.

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