

Polynt SpA – Headquarter

Via Enrico Fermi, 51
I-24020 Scanzorosciate (Bg) Italy
Tel. +39 035 652770 Fax +39 035 652814

Polynt SpA

Via Abate Bertone, 10
13881 Cavaglià (BI) Italy
Tel. +39 0161 996611 Fax. +39 0161 99662

Technical data sheet

Dibutyl Sebacate (DBSE)

Version: June 2013

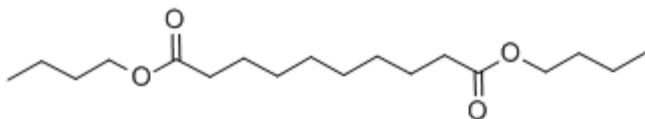
Chemical Composition

Decanedioic acid dibutyl ester

Formula

C₁₈H₃₄O₄

Structural Formula



Molecular weight : 252.22

CAS N.: 109-43-3

EINECS N.: 203-672-5

Product Specifications :

Characteristics	Units	Values	Test Method
Appearance		Clear Liquid, free from suspended matter	Visual
Colour	APHA/Hazen	≤ 10	AM 018
Odour		Practically odourless	AM 074
Acid Number	mgKOH/g	≤ 2	AM 006
Water Content	%	≤ 0,5	AM 023
Ester Content	%	≥ 98,5	AM 999

* Internal methods available upon request

Technical Data Sheet

Dibutyl Sebacate

Version: June 2013

**Polynt SpA – Headquarter**

Via Enrico Fermi, 51
I-24020 Scanzorosciate (Bg) Italy
Tel. +39 035 652770 Fax +39 035 652814

Polynt SpA

Via Abate Bertone, 10
13881 Cavaglià (BI) Italy
Tel. +39 0161 996611 Fax. +39 0161 99662

Typical properties:

Characteristic	Unit	Value
Density @ 20°C	g/ml	0,936
Viscosity @ 20°C	mPa.s	9
Refractive index @25/D		1,440

Main Applications :

Dibutyl Sebacate is a clear liquid, practically odourless, based on renewable sources derived from vegetal origin.

It is mainly used as a low temperature resistance plasticizer in the manufacturing of rubbers and plastics, including medical devices and pharmaceutical compounds. It is listed into the Commission Regulation (EU) N10/2011 on plastic materials intended to come into contact with foods with Ref. N. 85360 as well as in 21 CFR 181.27. It is also mentioned in the N.F. monograph of US Pharmacopoeia.

Dibutyl Sebacate finds also application in paints and inks solvents where it provides light stabilization and impart good film forming properties. It is listed into the INCI (International Cosmetics Ingredients) with monograph ID 773 as emollient, film forming, hair conditioning, masking, skin conditioning and solvent.

It is also used as additive in lubricants and metal working fluids.

Handling

Packaging: Steel drum 200 kg;
bulk;
IBC 920 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.

Technical Data Sheet**Dibutyl Sebacate**

Version: June 2013