

Speciality Purpose Plasticizer

Optafleks

DOA



Product Features

- Optafleks DOA is an efficient **Non-Phthalate**, Specialty Purpose Plasticizer produced at our state of art facility which is operated by **highly skilled staff**.
- Optafleks DOA is produced according to our own technology, with every process parameter monitored throughout of the production cycle, to arrive at a product providing superior performance in all end applications.

Applications



Food Packaging



Toys



Medical



Garden Equipment



Flexible Pipes



Coated Fabrics



Films



Cables



Automotive



Household



Paints & Coatings

Specification

Chemical Nature: Bis(2-ethylhexyl) Adipate

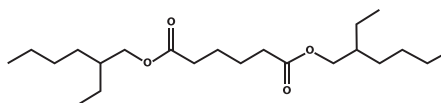
Abbreviation: DOA / DEHA

CAS No: 103-23-1

Molecular Weight: 370,56

Formula: C₂₂H₄₂O₄

Molecular Structure:



Property	Test Method	Value
Physical State	-	Liquid
Appearance	-	Transparent
Density (20°C, g/cm ³)	ASTM D 1045	0,924-0,928
Ester Content (%)	GC-Home Method	≥ 99,5
Refractive Index (20°C)	ASTM D 1045	1,4440-1,4480
Viscosity (20°C,cP)	ASTM D 1045	12-20
Flash Point (Open Cup, °C)	ASTM D 92	≥ 190
Water Content (%)	ASTM D 1364-02	≤ 0,05
Boiling Point	-	415
Water Solubility (20°C g/L)	-	≤ 0,01
Acidity (mg KOH/g)	ASTM D 1045	≤ 0,07
Color (Pt-Co)	ASTM D 1209	≤ 30

Optafleks DOA is produced via esterification of 2-Ethylhexanol and Adipic acid in a batch production mode. It is compatible with polymeric vinyl systems, rubber and nitrocellulose.

Optafleks DOA is primarily used to plasticize vinyl resins. It exhibits superior low temperature performance combined with high efficiency and low viscosity to arrive at durable and low temperature resistant products.

Optafleks DOA is compatible with Plastay's General Purpose Plasticizers: **Sunfleks**, **Inafleks**, **Versafleks**.

Certificates

Optafleks DOA complies with both **REACH** and **FDA** regulations.

The product is registered under the **REACH Regulation (EC) No. 1907/2006** through our Only Representative, RGS, for Bis (2-ethylhexyl) adipate, with a tonnage **band of 1000+ tonnes/year**.

Optafleks DOA meets the requirements of the **U.S. FDA Food Additive and GRAS** regulations.

Worldwide Delivery

