

Chemical Nature:

Bis(2-ethylhexyl) Adipate

Abbreviation:

DOA / DEHA

CAS No:

103-23-1

Shipping name:

Not applicable

(not regulated by RID/ADR)

Molecular Weight:

370,56

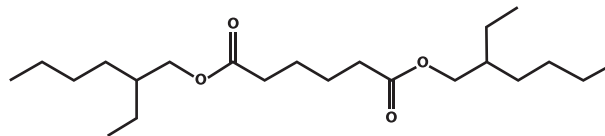
Formula:
 $C_{22}H_{42}O_4$
Disclaimer

Always follow
Safety Data Sheet and Technical
Data Sheet when handling the
product to avoid warranty void.

Optafleks DOA

Dioctyl Adipate

Optafleks DOA is an organic compound, an ester of 2-Ethylhexanol and Adipic Acid used primarily as a Specialty Plasticizer in PVC processing, as well as in coatings and rubber segments.

Molecular Structure:

Product Specification:

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

Safety

Optafleks DOA does not require special handling. Handle in accordance with good industrial hygiene and safety practices. Avoid eye contact by wearing personal protective equipment. If eye contact occurs, wash with flowing water and contact physician. Avoid repeated or prolonged skin contact. Avoid breathing vapors by providing adequate ventilation. Always refer to the Safety Data Sheet (SDS) for detailed information on safety.

Storage and Handling

Optafleks DOA can be stored for two year at temperatures below 40°C, if moisture is excluded. **Optafleks DOA** can be stored indoor and outdoor in designated containers/tanks. Please ensure proper ventilation, protect against accumulation of static electricity, keep away from ignition sources.

Packaging

Optafleks DOA is available in Isotanks, Flexitanks (flexibags), IBCs, trucks (road tank containers). Further packaging available upon enquiry. **Optafleks DOA** cannot be transported with strong oxidizers or alkalies. Please consult Plastay staff for further information. **Optafleks DOA** is not considered dangerous product in accordance with RID/ADR European regulation.


**Information on international
certification and registration:**

Optafleks DOA is REACH
registered.
Optafleks DOA complies with FDA
standards.

plastay.com/en/quality-document