DEHS



Di-Ethyl-Hexyl-Sebacat (DEHS) is a colorless and odorless fluid which is insoluble in water. It is very well suited for generating solid aerosols.

Benefits

- Long service time of the aerosol (although liquid)
- Vaporisation not until after hours
- Spheric particles (droplets)

Applications

- DEHS proven its ability for the aerosol production in particular for the acceptance and monitoring of clean room technology.
- Among the advantages of DEHS as aerosol material is the long life of the particles.
- DEHS evaporates after a long time without residue, see table.

DATASHEET

Name	Di-Ethyl-Hexyl-Sebacat (DEHS)
Formula	C26H50O4
CAS-number	122-62-3
Molecular weight	426.68 g/mol
Form	Fluid
Color	Colorless
Smell	Odorless
Density	0.91 g/cm^3
Melting point	Approx. -67 °C
Boiling point	> 250 °C
Flash point	> 210 °C
Vapor pressure	< 0,01 hPA (bei 20 °C)
Dynamic viscosity	19 – 23 mPa • s
Solubility in water	< 0,0001 g/l (bei 20 °C)
Refraction index	1.450 (at 20 °C)