

# 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<br>(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 <sup>3</sup>  |
| Melting point     | Approx. -67 °C                   | Boiling point       | > 250 °C                |
| Flash point       | > 210 °C                         | Vapor pressure      | < 0.01 hPA (at 20 °C)   |
| Dynamic viscosity | 19 – 23 mPa • s                  | Solubility in water | < 0.0001 g/l (at 20 °C) |
| Refraction index  | 1.450 (at 20 °C)                 |                     |                         |