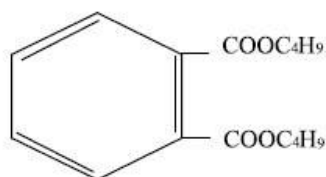


FormulaC₁₄H₂₀O₄**Molecular Weight**

278

CAS registry number

84-74-2

Molecular Structure

| Product Specifications | Value | Test Method |
|------------------------------------|-------------|-------------|
| Specific Gravity @ 20°/20°C | 1.051-1.045 | ASTM D-4052 |
| Ester content, % weight, minimum | 99,6 | ASTM D-3465 |
| Acid Number, mg KOH/g, maximum | 0,03 | ASTM D-1045 |
| Water, % by weight, maximum | 0,10 | ASTM E-1064 |
| Color, Pt-Co units (APHA), maximum | 20 | ASTM D-5386 |
| Suspended matter | COLSFFM* | Visual |

*Clear Oily Liquid Substantially Free of Foreign Material

Typical Physical Properties

| | |
|--|---------------------|
| Apparent specific gravity @ 20°/20°C..... | 1.047 |
| Coefficient of expansion, @ 20°C per °C..... | 0.00075 |
| Boiling range @ 6,7 mbar, °C..... | 335 |
| Pour point, °C..... | - 46 |
| Solubility @ 25°C | |
| in water, (mg/lt.)..... | 11.2 |
| Absolute viscosity | |
| @ 20°C, cP..... | 15 |
| Refractive index n _D 25..... | 1.491 |
| Flash point (COC), °C..... | 168 |
| Odor..... | Mild characteristic |

*The properties value above are just for reference and not to be considered as guaranteed parameters.

Description

DBP (dibutyl phthalate) is a colorless, odorless liquid commonly used as a solvent and plasticizer in the chemical industry. It is miscible with most organic solvents and insoluble in water. DBP plasticizer is used extensively in the adhesives industry to plasticize polyvinyl acetate (PVA) emulsions. The low viscosity and compatibility of DBP make this plasticizer ideally suited for PVA-based adhesives for bonding cellulosic materials.

Applications

DBP is an excellent solvent for many oil-soluble dyes, insecticides, peroxides, and other organic compounds. It is used as an antifoam agent and as a fiber lubricant in textile manufacturing. It is also used in the coatings industry and in nail polish as a primary plasticizer for nitrocellulose lacquers.

It is also used in Fragrance Fixative, Nail Care, Solvents & Vinyl Products.

Safety

Avoid eye contact by wearing personal protective equipment. Avoid repeated or prolonged skin contact. Avoid breathing vapors by providing adequate ventilation.

This data is based on technical information available at the time of writing. However, they do not represent a specific guarantee on product performance and it is subject to change if required.