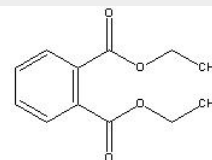


**Identification**

$C_{12}H_{14}O_4$   
M = 222,24 g/mol  
CAS [84-66-2]  
EC number: 201-550-6  
Taric code: 2917 34 00

**Synonyms**

Ethyl phthalate, DEP, Phthalic acid diethyl ester



**Applications**

analytical chemistry, perfumery, synthesis of organic products.

**Specifications**

assay (G.C.).....	min. 99 %	free acid [as C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub> ] .....	max. 0,05 %
identity (IR-spectrum).....	passes test	residue on ignition.....	max. 0,01 %
density (20°/4°).....	1,117 - 1,119	water (K.F.).....	max. 0,1 %

**Packaging****Packaging Code**

1 l  FT00451000  
2,5 l  FT00452500

**Physical data**

- Density: 1,12 g/cm<sup>3</sup>
- Solub. in water: (20 °C): non-miscible
- Melting point: -3 °C
- Boiling point: 296 - 298 °C
- Flash point: 156 °C
- Ignition temperature: 430 °C
- Vapour pressure: (20 °C) 0,002 hPa
- Refraction index: (n 20 °C/D) 1,5022
- pH(H<sub>2</sub>O, 20 °C) 7

**Toxicological data**

- LD 50 (oral, rat): 8200 mg/kg
- WGK: 2
- Poison class CH (Swiss): 4

**Transport/storage**

- Store between 15°C and 25°C