

Product code: FT0055
Dimethyl phthalate, synthesis grade

$C_{10}H_{10}O_4$
M = 194,19 g/mol
CAS [131-11-3]
EC number: 205-011-6
Taric code: 2917 34 00 90



Technical Data Sheet

Synonyms

Phthalic acid dimethyl ester

Specifications

assay (G.C.)	min. 99 %	free acid [as $C_6H_4(COOH)_2$]	max. 0,03 %
identity (IR-spectrum)	passes test	water (K.F.)	max. 0,1 %
density (20 / 4)	1,188 - 1,191		

Packaging

FT00551000 1 l

Physical data

- Form: liquid
- Density: 1,19 g/cm³
- Solub. in water (20 °C): non-miscible
- Melting point: 4 - 6 °C
- Boiling point: (5 hPa) 134 - 138 °C
- Flash point: 150 °C
- Ignition temp.: 556 °C
- Vapour pressure: (20 °C) 0,008 hPa
- Refraction index: (n 25°C/D) 1,5137
- Viscosity: (20 °C) 1,7 mPas

Toxicological data

- LD 50 (oral, rat): 6800 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4

Safety

- S: 24/25

Transport/storage

- LGK: 10-13
- Disposal: 1

Applications

analytical chemistry, synthesis of organic products, in the cellulose industry, insect repellent.