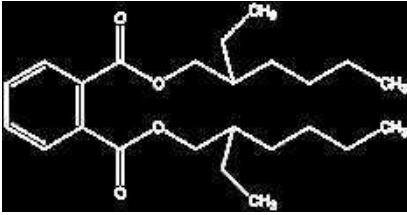


## BIS-(2-ETHYLHEXYL) PHTHALATE

FT0025 Bis-(2-ethylhexyl) phthalate, EssentQ®

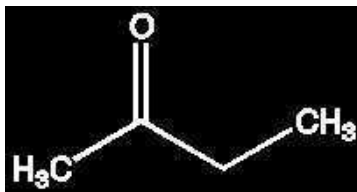


- Synonyms: Di-(2-ethylhexyl) phthalate, Dioctyl phthalate, Diisooctyl phthalate, Phthalic acid bis(2-ethylhexyl) ester, DOP
- $C_{28}H_{38}O_4$
- M = 390,57 g/mol
- CAS [117-81-7]
- EINECS-No.: 204-211-0
- Density: 0,98 g/cm<sup>3</sup>
- Solub. in water: (20 °C): < 0,1 g/l
- Melting point: ~ -50 °C
- Boiling point: (5 hPa) 220 - 225 °C
- Flash pt. 200 °C
- Ignition temp.: ~ 400 °C
- Vapour pressure: (20 °C) < 0,01 hPa
- Refraction index: (n 20 °C/D) 1,4862
- LD 50 (oral, rat): 30600 mg/kg
- GHS-signal word: Danger
- GHS-H sentences: H360FD
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2917 34 00 90
- Applications: analytical chemistry, synthesis of organic products.

assay (G.C.) . . . . . min. 98 %  
identity (IR-spectrum) . . . . . passes test  
density (20°/4°) . . . . . 0,983 - 0,985  
residue on ignition . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
FT00251000	1 l	0

## ETHYL METHYL KETONE



- Synonyms: 2-Butanone, Methyl ethyl ketone, MEK
- $C_4H_8O$
- M = 72,11 g/mol
- CAS [78-93-3]
- EINECS-No.: 201-159-0
- Density: 0,80 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 292 g/l
- Melting point: -86 °C
- Boiling point: 79,6 °C
- Flash pt. -4 °C
- Ignition temp.: 505 °C
- Vapour pressure: (20 °C) 105 hPa
- Dielectric const.: (20 °C) 18,5

- LD 50 (oral, rat): 2737 mg/kg
- EC-Index-No.: 606-002-00-3
- ADR: 3 F1 II UN 1193
- IMDG: 3 II UN 1193
- IATA/ICAO: 3 II UN 1193
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336 - EUH066
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2914 12 00 00
- Applications: analytical chemistry, chromatography, synthesis of organic products, in food industry.

ME0454 Ethyl methyl ketone, EssentQ®



assay (G.C.) . . . . . min. 99 %  
identity (IR-spectrum) . . . . . passes test  
density (20°/4°) . . . . . 0,804 - 0,846  
free acid (as  $CH_3COOH$ ) . . . . . max. 0,005 %  
water (K.F.) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
ME04541000	1 l	0
ME04542500	2,5 l	0
ME0454005L	5 l	0

ART. NO.	VOLUME	CONTAINER
ME0454005P	5 l	0
ME0454007E	7 l	0
ME0454025L	25 l	0

ME0457 Ethyl methyl ketone, ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (G.C.) . . . . . min. 99,5 %  
identity (IR-spectrum) . . . . . passes test  
density (20°/4°) . . . . . 0,804 - 0,806  
density (20°/20°) . . . . . 0,805 - 0,807  
appearance . . . . . clear  
colour (Hazen) . . . . . max. 10  
boiling point . . . . . 79 - 80 °C  
acidity . . . . . max. 0,0005 meq/g  
alkalinity . . . . . max. 0,0002 meq/g  
aluminium (Al) . . . . . max. 0,5 ppm  
barium (Ba) . . . . . max. 0,1 ppm  
boron (B) . . . . . max. 0,02 ppm  
cadmium (Cd) . . . . . max. 0,05 ppm  
calcium (Ca) . . . . . max. 0,5 ppm  
chromium (Cr) . . . . . max. 0,02 ppm  
cobalt (Co) . . . . . max. 0,02 ppm  
copper (Cu) . . . . . max. 0,02 ppm

iron (Fe) . . . . . max. 0,1 ppm  
lead (Pb) . . . . . max. 0,1 ppm  
magnesium (Mg) . . . . . max. 0,1 ppm  
manganese (Mn) . . . . . max. 0,02 ppm  
nickel (Ni) . . . . . max. 0,02 ppm  
potassium (K) . . . . . max. 0,1 ppm  
strontium (Sr) . . . . . max. 0,02 ppm  
tin (Sn) . . . . . max. 0,1 ppm  
zinc (Zn) . . . . . max. 0,1 ppm  
acetone (G.C.) . . . . . max. 0,05 %  
2-butanol (G.C.) . . . . . max. 0,05 %  
methanol (G.C.) . . . . . max. 0,05 %  
2-methyl-2-propanol (G.C.) . . . . . max. 0,1 %  
substances reducing  $KMnO_4$  . . . . . passes test  
residue on evaporation . . . . . max. 0,0005 %  
water (K.F.) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
ME04571000	1 l	0
ME04572500	2,5 l	0

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z