

## DIBUTYLAMINE

DI0300 Dibutylamine, EssentQ®



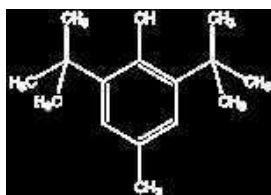
- Synonyms: N-Butyl-1-butanamine
- $C_8H_{19}N$
- $M = 129,25 \text{ g/mol}$
- CAS [111-92-2]
- EINECS-No.: 203-921-8
- Density:  $0,76 \text{ g/cm}^3$
- Solub. in water: (25 °C): 4,05 g/l
- Melting point:  $-62 \text{ °C}$
- Boiling point:  $160 - 162 \text{ °C}$
- Flash pt.  $39 \text{ °C}$
- Ignition temp.:  $260 \text{ °C}$
- Vapour pressure: (20 °C) 2 hPa
- Refraction index: (n 20 °C/D) 1,4168
- LD 50 (oral, rat): 189 mg/kg
- EC-Index-No.: 612-049-00-0 [1]
- ADR: 8 CF1 II UN 2248
- IMDG: 8 II UN 2248
- IATA/ICAO: 8 II UN 2248
- GHS-signal word: Warning
- GHS-H sentences: H226 - H302 - H312 - H332
- GHS-P sentences: P210 - P241 - P261 - P280 - P303 + P361 + P553 - P501a
- Tariff number: 2921 19 80 90
- Applications: analytical chemistry, chromatography, synthesis of organic products.
- Appearance: Clear liquid

assay (G.C.) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,758 - 0,760  
 residue on evaporation . . . . . max. 0,005 %  
 water (K.F.) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
DI03001000	1 l	0
DI03002500	2,5 l	0

## 2,6-DI-TERT-BUTYL-4-METHYLPHENOL

DI0315 2,6-Di-tert-butyl-4-methylphenol, EssentQ®



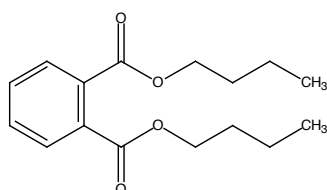
- Synonyms: 2,6-Di-tert-butyl-p-cresol, BHT, Butylhydroxytoluene, Ionol
- $C_{15}H_{24}O$
- $M = 220,36 \text{ g/mol}$
- CAS [128-37-0]
- EINECS-No.: 204-881-4
- Solub. in water: (20 °C):  $< 0,01 \text{ g/l}$
- Melting point:  $69 - 70 \text{ °C}$
- Boiling point:  $265 \text{ °C}$
- Flash pt.  $127 \text{ °C}$
- Ignition temp.:  $345 \text{ °C}$
- Vapour pressure: (20 °C) 0,02 hPa
- LD 50 (oral, rat): 890 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302 - H315 - H319 - H413
- GHS-P sentences: P280 - P273 - P305 + P351 + P338 - P321 - P362 - P501a
- Tariff number: 2907 19 00 90
- Applications: analytical chemistry, oxidizing agent.

assay (G.C.) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 arsenic (As) . . . . . max. 3 ppm  
 heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 5 ppm  
 residue on ignition . . . . . max. 0,005 %

ART. NO.	VOLUME	CONTAINER
DI03150250	250 g	0
DI03150500	500 g	0
DI03151000	1 kg	0

## DIBUTYL PHTHALATE

FT0035 Dibutyl phthalate, EssentQ®



- Synonyms: Phthalic acid dibutyl ester, DBP
- $C_{16}H_{22}O_4$
- $M = 278,35 \text{ g/mol}$
- CAS [84-74-2]
- EINECS-No.: 201-557-4
- Density:  $1,05 \text{ g/cm}^3$
- Solub. in water: (20 °C):  $0,4 \text{ g/l}$
- Boiling point:  $\sim 340 \text{ °C}$
- Flash pt.  $171 \text{ °C}$
- Ignition temp.:  $\sim 370 \text{ °C}$
- LD 50 (oral, rat): 8000 mg/kg
- ADR: 9 M6 III UN 3082
- IMDG: 9 III UN 3082
- IATA/ICAO: 9 III UN 3082
- GHS-signal word: Danger
- GHS-H sentences: H360Df - H400
- GHS-P sentences: P281 - P273 - P308 + P313 - P391 - P405 - P501a
- Tariff number: 2917 31 00 00
- Applications: synthesis of organic products, insect repellent.
- Appearance: Colourless to yellowish liquid

assay (G.C.) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 1,045 - 1,048  
 residue on ignition . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
FT00351000	1 l	0
FT0035025P	25 l	0