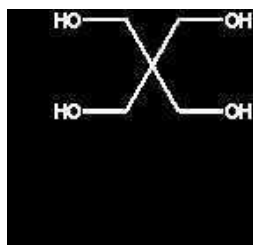


## PENTAERYTHRITOL

PE0070 Pentaerythritol, EssentQ®



- Synonyms: 2,2-Bis(hydroxymethyl)-1,3-propanediol
- $C_5H_{12}O_4$
- $M = 136,15 \text{ g/mol}$
- CAS [115-77-5]
- EINECS-No.: 204-104-9
- Solub. in water: (20 °C): 70 g/l
- Melting point: 256 - 258 °C
- Boiling point: (40 hPa) 276 °C
- Flash pt. > 150 °C
- Ignition temp.: 490 °C
- LD 50 (oral, rat): 19500 mg/kg
- Tariff number: 2905 42 00 00
- Applications: synthesis of organic products, manufacturing of synthetic resins, painting.

assay (DSC) .....min. 98 %  
identity (IR-spectrum) .....passes test

ART. NO.	VOLUME	CONTAINER
PE00701000	1 kg	⓪

## n-PENTANE



- Synonyms: 1,3-Dimethylpropane, Diethyl methane
- $C_5H_{12}$
- $M = 72,15 \text{ g/mol}$
- CAS [109-66-0]
- EINECS-No.: 203-692-4
- Density: 0,63 g/cm<sup>3</sup>
- Solub. in water: (25 °C): 0,04 g/l
- Melting point: -129,7 °C
- Boiling point: 36,1 °C
- Flash pt. -48 °C
- Ignition temp.: 285 °C
- Vapour pressure: (20 °C) 573 hPa
- Dielectric const.: (20 °C) 1,8

- EC-Index-No.: 601-006-00-1 [1]
- ADR: 3 F1 II UN 1265
- IMDG: 3 II UN 1265
- IATA/ICAO: 3 II UN 1265
- GHS-signal word: Danger
- GHS-H sentences: H225 - H304 - H336 - H411 - EUH066
- GHS-P sentences: P210 - P241 - P261 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 2901 10 00 00
- Applications: synthesis of organic products, analytical chemistry, reference material, chromatography.

PE0092 n-Pentane, 95%, EssentQ®



assay (G.C.) .....min. 95 %  
density (20°/4°) ..... 0,625 - 0,628  
residue on evaporation .....max. 0,003 %  
water (K.F.) .....max. 0,02 %

ART. NO.	VOLUME	CONTAINER
PE00921000	1 l	⓪
PE00922500	2,5 l	⓪

ART. NO.	VOLUME	CONTAINER
PE0092005L	5 l	⓪
PE0092025L	25 l	⓪

PE0095 n-Pentane, 99%, EssentQ®



assay (G.C.) .....min. 99 %  
identity (IR-spectrum) .....passes test  
density (20°/4°) ..... 0,625 - 0,627  
acidity .....max. 0,001 meq/g  
copper (Cu) .....max. 0,2 ppm  
iron (Fe) .....max. 0,6 ppm  
lead (Pb) .....max. 0,2 ppm

nickel (Ni) .....max. 0,2 ppm  
isopentane (G.C.) .....max. 1 %  
sulfur compounds (as S) .....max. 0,005 %  
substances darkened by  $H_2SO_4$  .....passes test  
residue on evaporation .....max. 0,001 %  
water (K.F.) .....max. 0,01 %

ART. NO.	VOLUME	CONTAINER
PE00951000	1 l	⓪
PE00952500	2,5 l	⓪
PE0095005L	5 l	⓪
PE0095025A	25 l	⓪

PE0096 n-Pentane, 99%, ExpertQ®, for analysis



assay (G.C.) .....min. 99 %  
identity (IR-spectrum) .....passes test  
density (20°/4°) ..... 0,625 - 0,627  
colour (Hazen) .....max. 10  
acidity .....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  
tin (Sn) .....max. 0,1 ppm  
zinc (Zn) .....max. 0,1 ppm  
sulfur compounds (as S) .....max. 0,005 %  
substances darkened by  $H_2SO_4$  .....passes test  
residue on evaporation .....max. 0,001 %  
water (K.F.) .....max. 0,01 %

ART. NO.	VOLUME	CONTAINER
PE00961000	1 l	⓪
PE00962500	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