



# Product Specification

## Product Name: n PENTANE LR

Alternate Name(s) PENTANES

### Description

Colourless liquid. Mild gasoline-like odour.

### Properties

Chemical Formula: C<sub>5</sub>H<sub>12</sub>

Molecular Weight: 72.15

Product Code: PL004

CAS No. 109-66-0

### General Information:

Insoluble in water. Miscible with most organic solvents. Incompatible with strong oxidising agents. EXTREMELY FLAMMABLE.

### Hazard and Safety Data

UN Group: 1  
Class: 3  
UN Number: 1265  
Hazchem code: 3YE  
CS MSDS Code: 1CHEY  
Poison schedule: S5  
Emergency  
Procedure Guide No.: 14

### Quality Specification

Assay: 95.0 % min.

### Specific Properties and Impurities [Typical levels]:

Vapour Density (air=1)	2.5
Evaporation Rate (butyl acetate = 1)	28.6
Autoignition Temp.	308 °C
Flamm. Limit UEL	7.8%
Nonvolatile matter	≤ 0.005%
Flamm. Limit LEL	1.4%
Flash Point	-49 °C c.c.
Specific Gravity	0.62624
Vapour Pressure (@ 25 °C)	500 mm Hg
Boiling Point	36.1 °C
Melting Point	-129.7 °C
Acid wash colour	0
Density (@ 15 °C)	630.0 - 634.0 kg/m <sup>3</sup>
Colour	≤ 5

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