



Product Specification

Product Name: CHLOROBENZENE LR

Alternate Name(s) Benzene chloride; Monochlorobenzene; phenyl chloride; monochlorobenzol.

Description

Clear, colourless to yellowish volatile liquid. Almond-like odour.

Properties

Chemical Formula: C₆H₅Cl

Molecular Weight: 112.56

Product Code: CL127

CAS No. 108-90-7

General Information:

Insoluble in water. Very soluble in carbon disulfide and benzene. Soluble in alcohol & ether. Incompatible with strong oxidizers, dimethyl sulfoxide & some plastics, rubber, & coatings. HIGHLY FLAMMABLE.

Hazard and Safety Data

UN Group: III
Class: 3
UN Number: 1134
Hazchem code: 2Y
CS MSDS Code: 1CHKG
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 18

Quality Specification

Assay: 99.8 % minimum

Specific Properties and Impurities [Typical levels]:

Flamm. Limit LEL	1.3%
Boiling Point	132 °C
Vapour Pressure (@ 20 °C)	8.8 mm Hg
Flash Point (closed cup)	29 °C
Vapour Density (air = 1)	3.88
Flamm. Limit UEL	9.6%
Odour Threshold (perception)	0.4 mg/m ³
Odour Threshold (recognition)	1-7 mg/m ³
Autoignition Temp.	638 °C
Melting Point	-45.6 °C
Specific Gravity	1.106
Benzene	≤ 0.02%
1,4-Dichlorobenzene	≤ 0.02%
1,2-Dichlorobenzene	≤ 0.01%
Water	≤ 0.01%
Colour APHA (Hazen)	≤ 10

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