

# MONOCHLOROBENZENE



CAS Number: 108-90-7

Other Names: Chlorobenzene; Phenyl chloride; Benzene chloride

Formula:  $C_6H_5Cl$

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## PRODUCT INTRODUCTION

Monochlorobenzene (MCB) is a colourless, volatile, water-insoluble liquid with a light, pleasant almond fragrance. It belongs to the family of organic halogen compounds, which is a large class of natural and synthetic chemical substances. These compounds contain one halogen atom or more (fluorine, chlorine, bromine, or iodine) combined with carbon atoms and other elements. Chlorobenzene is formed by the direct chlorination reaction of benzene.

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colorless Liquid
Moisture Content	0.0240 %W/W
Benzene Content	0.02 %W/W
MCB Content	99.95 %W/W
Dichlorobenzene Content	0.03 %W/W

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## APPLICATIONS

- Monochlorobenzene is nitrated in large quantities, the product subsequently converted via such intermediates as nitrophenol, nitroanisole, nitrophenetole, chloroaniline, and phenylenediamine into dyes, crop protection products, pharmaceuticals, rubber chemicals, etc.
- The production of phenol, aniline, and DDT from monochlorobenzene, formerly carried out on a large scale, has been almost entirely discontinued due to the introduction of new processes and legislation forbidding the use of DDT.

- It is widely used as solvents in chemical reactions and to dissolve such special materials as oils, waxes, resins, greases, and rubber.
  - It is also used as a fiber swelling agent and dye carrier in textile processing, tar and grease remover in cleaning and degreasing operations.
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## PACKING OPTIONS

Drums

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