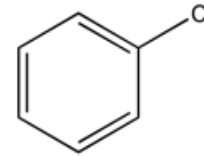


**Identification**

$C_6H_5Cl$   
 M = 112,56 g/mol  
 CAS [108-90-7]  
 EC number: 203-628-5  
 Taric code: 2903 91 00


**Synonyms**

Monochlorobenzene, Benzene chloride, Phenyl chloride

**Applications**

laboratory reagent, synthesis of organic products, solvents (painting).

**Specifications**

assay (G.C.).....	min. 99,5 %	nickel (Ni).....	max. 0,2 ppm
identity (IR-spectrum).....	passes test	benzene (G.C.).....	max. 0,05 %
density (20°/4°).....	1,105 - 1,107	total dichlorobenzenes (G.C.).....	max. 0,01 %
acidity.....	max. 0,01 meq/g	total chlorotoluenes (G.C.).....	max. 0,05 %
copper (Cu).....	max. 0,2 ppm	sulphur compounds (as CS <sub>2</sub> ).....	max. 0,001 %
iron (Fe).....	max. 0,5 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
lead (Pb).....	max. 0,2 ppm	residue on evaporation.....	max. 0,005 %
		water (K.F.).....	max. 0,2 %

**Physical data**

- Density: 1,11 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,5 g/l
- Melting point: -45 °C
- Boiling point: 132 °C
- Flash point: 29 °C
- Ignition temperature: 590 °C
- Vapour pressure: (20 °C) 12 hPa
- Refraction index: (n 20 °C/D) 1,5248
- Dipolar moment: (20 °C) 1,55 Debye
- Dielectric const.: (25 °C) 5,6
- Saturation conc.: (20 °C) 54 g/m<sup>3</sup>
- Expl. limit (upper): 11 Vol%
- Expl. limit (lower): 1,3 Vol%
- pH(20 °C) 7

**Safety - GHS**

**Signal Word:** Warning

**Hazard Statements:**

- H226: Flammable liquid and vapour.  
 H332: Harmful if inhaled.  
 H411: Toxic to aquatic life with long lasting effects.


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P370+P378: In case of fire: Use ... for extinction.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 3 F1 III • UN 1134 • CHLORO BENZENE
- IMDG: 3 III • UN 1134 • CHLORO BENZENE
- IATA/ICAO: 3 III • UN 1134 • CHLORO BENZENE
- PAX: 355
- CAO: 366
- 10°C - 30°C