



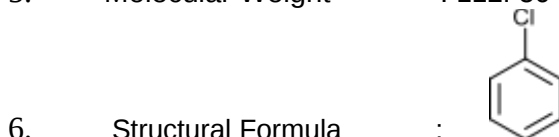
## Technical Data Sheet

### **Mono Chloro Benzene**

#### 1. Introduction

MonoChlorobenzene ( MCB ) is a Clear Colourless Liquid material that is an insoluble in water .

- |    |                     |                                    |
|----|---------------------|------------------------------------|
| 1. | Product             | : Mono Chloro Benzene ( MCB )      |
| 2. | Other/Generic Names | : Chlorobenzene; Phenyl chloride   |
| 3. | CAS No              | :108-90-7                          |
| 4. | Molecular Formula   | : C <sub>6</sub> H <sub>5</sub> Cl |
| 5. | Molecular Weight    | : 112. 56 g/mol                    |



#### 2. Physical Properties:

Physical state: Liquid

Appearance: Clear Colourless

Odour : Characteristic

Boiling Point/range : 132 °C (760 Torr )

Melting point : - 45 °C

Flash Point : 27 °C

Solubility Water : 0.4 g/l ( 20 C )

Miscible with Ethanol , Ether , Benzene , Chloroform

Stability : The product, stored in shaded area/ Go down, is stable at ambient temperature .

Specific Gravity: 1.11 g/cm<sup>3</sup> (20 °C)



**3. Product Quality Specification:**

Sr No	Parameter	Specification	Method Ref
1	Appearance	Clear colourless liquid	Visual
2	Purity by GC	99.90 % w/w Min.	NQA 919
3	Benzene by GC	0.05 % w/w Max.	NQA 919
4	Dichlorobenzene by GC	0.05 % w/w Max.	NQA 919
5	Acidity as HCl by NaOH titration	20 ppm w/w Max.	NQA 833
6	Water by Karl Fischer	0.05 % w/w Max	NQA 509
7	Specific gravity at 30°C by hydrometer	1.098 to 1.102	NQA 503

**4. Packing Information:**

Sr. Number	Grade	Packing	Secondary Packing
01	MCB-Liquid	In SS or MS Tanker	
02	MCB-Drum	200 Kg HDPE / MS Drum	Four Drums are palletized on MB or HT wooden pallets ( As per ISPM -15 ) and strapped and stretch wrapped

DNL Can customize packing for different quantities



## 5.PRODUCT USES

Chlorobenzene is used in following industries.

- Used as Solvent in Chemical Reaction
- Manufacturing of phenol , Pigment intermediate , dyes intermediates
- Manufacturing of ONCB, PNCB
- Manufacturing of Pharmaceutical Intermediates
- Manufacturing of Agro Chemical Intermediates
- Speciality Chemicals such as Dioctyl Phenol.

## 6. Regulatory Information

Particulars	Information	Pictogram
Hazard Class	3.0	
Label	Flammable Liquid	
		Three hazard pictograms are displayed side-by-side within a single cell. From left to right: a red diamond with a black exclamation mark (Health Hazard), a red diamond with a black flame (Flammable), and a red diamond with a black tree and fish (Environment).
Subsidiary Label	Warning	
UN Number	1134	
Proper shipping Name	Chlorbenzen,	
Packing Group	III	

### **REACH Details:**

Monochlorobenzene : 05-2115857925-30-0000



**7.PRODUCT SAFETY INFORMATION :**

Monochlorobenzene is Flammable liquid & vapour and harmful If inhaled , may cause respiratory tract irritation.. It may be harmful if absorbed through skin and may cause skin irritation. It may cause eye irritation & harmful if swallowed. It is toxic to aquatic life with long lasting effects . Avoid release to the environment or breathing

As with any chemical, Monochlorobenzene requires care in handling. Anyone responsible for the procurement, use or disposal of this product should familiarize himself and those handling the product with the appropriate safety and handling precautions. This information is available in the Material Safety Data Sheet, which may be obtained by contacting our Customer Service Group

**8. Manufacture Site :**

Deepak Nitrite Ltd.  
4-12 GIDC Chemical Complex  
Nandesari  
Dist. Vadodara – 391 340  
Gujarat  
India

**9. Corporate Headquarter: :**

Deepak Nitrite Ltd.  
Aaditya-I, National Highway No. 8, Chhani Road,  
Vadodara - 390 024,  
India

**10. For Chemical Emergency :**

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887



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