

Orthodichlorobenzene

CHEMICAL NAME 1,2-dichlorobenzene, o-dichlorobenzene

CAS NUMBER 95-50-1

TECHNICAL REQUIREMENTS

Appearance at 20-25 °C.....colorless, clear and volatile liquid

Density at temperature 20 °C, g/cm³..... 1,306

Main ingredient concentration, % (m/m).....min.99.8

Other dichlorobenzenes content, % (m/m)max. 0.2

Water, % (m/m) max. 0,02

GENERAL DATA

Molecular mass g/mol..... 147,01

Water solubility at 20°C; g/l..... poor , 0,156

Other solvents.....ethanol, chloroform, benzene.

Density at temp. 20 °C, g/ cm³..... 1,306

Odour..... pungent, characteristic

Freezing point °C.....-17,03

Boiling point °C.....180,5

APPLICATION

Mainly used as a precursor in the synthesis of 1,2-dichloro 4-nitrobenzene, an intermediate used in the plant protection product industry. Applies as a versatile solvent characterized by high temperature resistance. 1,2-Dichlorobenzene is also used to soften and remove carbonaceous contaminants on metal surfaces. In the pharmaceutical industry used as an aromatic substituent in synthesis.