

PRODUCT: Benzene

Benzene is an important organic chemical compound with the chemical formula C₆H₆. The benzene molecule is composed of 6 carbon atoms joined in a ring with 1 hydrogen atom attached to each. Because it contains only carbon and hydrogen atoms, benzene is classed as a hydrocarbon.

Application:

Benzene is used mainly as an intermediate to make other chemicals, above all ethylbenzene, cumene, cyclohexane, nitrobenzene, and alkylbenzene.

Items	Unit	Standards
Physical Description	ppm wt	liquid
Benzene content	%	99.7
Molecular weight	g/mol	78.11
Density (at 20 °C)	g/cm ³	0.879
Solubility in water (at 25 °C)	g/l	1.8
Melting point	°C	5.53
Boiling point	°C	80.1
Flash point	°C	- 11
Autoignition temperature	°C	562 °C, min 534 °C