INTRODUCTION

Benzene is an aromatic hydrocarbon and parent compound of numerous important aromatic compounds. Benzene is a colourless liquid with an characteristic odour and is primarily used in the production of polystyrene. All six carbon atoms, while the valence bond theory describes two stable resonance structure for the ring. Benzene is one of the most fundamental compound used in manufacture of various plastics, synthetic fibres.

**Structure of Benzene**

Benzene is a cyclic hydro carbon with a chemical formulas C6H6,that is each carbon benzene is arranged in a six member ring and is bonded to only one hydrogen atom, according to molecular orbital theory for benzene structure. Benzene ring envolves the structure of, Benzene ring envolves the formation of three delocalised orbital spouning six carbon atoms, while the valence bond theory describes two stable resonance structures for the ring. Benzene is a colourless liquid with odour and is primarily used in the production of polystyrene. It is highly ionic and is a known carcinogen.