
Colour of phenols on long exposure to air

Reddish pink

Colour of phenols in inert conditions

Colourless

Approximation of boiling point of phenol compared to hydrocarbon

Higher

Cause of higher boiling point of phenol compared to hydrocarbon

- Inter molecular hydrogen bonding

Approximation of solubility of phenol in water

Limited solubility

Cause of limited solubility of phenol in water

- Hydrogen bonding between water and phenol
- But benzene ring as hydrophobic
- Two opposing factors for solubility

Approximation of toxicity of phenols

- Highly toxic