

## **USE OF SOME COMMON AROMATIC COMPOUNDS**

### **BENZENE:**

- Benzene is a widely used industrial chemical.
- Benzene is found in crude oil and is a major part of gasoline.
- It's used to make plastics, resins, synthetic fibers, rubber lubricants, dyes, detergents, drugs and pesticides.
- In homes, benzene may be found in glues, adhesives, cleaning products, paint strippers, tobacco smoke and gasoline.

### **TOLUENE:**

- Toluene has numerous commercial and industrial applications and is a solvent in paints, lacquers, thinners, glues, correction fluid and nail polish remover.
- It is used in the printing and leather tanning processes.
- Methylbenzene can also be used as a fullerene indicator, and is a raw material for toluene diisocyanate.
- It is used in the production of pharmaceuticals, dyes, and cosmetic nail products.
- It is used in agricultural sector against roundworms and hookworms.

### **BHC:**

- Benzene hexachloride(BHC) is used as an insecticide on crops, in forestry, for seed treatment.
- It is used in the treatment of head and body lice.
- It is used in pharmaceuticals.
- It is used to treat scabies.
- It is used in shampoo.

### **PHENOL:**

- Phenols are widely used in household products and as intermediates for industrial synthesis.

- Phenol itself is used (in low concentrations) as a disinfectant in household cleaners and in mouthwash. Phenol may have been the first surgical antiseptic.
- In industry, phenol is used as a starting material to make plastics, drugs such as aspirin.
- Phenols are used in the dye industry to make intensely coloured azo dyes.

### **NAPHTHALENE:**

- It is used in mothballs.
- It's also used to manufacture something called phthalic anhydride. This chemical is used to make, among other things, artificial resins, like glyptal, and pharmaceuticals, too.
- Naphthalene also helps manufacture a very famous kind of plastic, that of polyvinyl chloride (PVC), as well.
- It's also used to help make insecticides (insect killers), artificial tanning agents, and dyes.

### **ANTHRACENE:**

- Anthracene used as a preservative in wood and lumber and use as an insecticide for crops.
- It is used as a building block for a lot of dyes that the fabrics and textile industries rely on for the bright and vibrant colors they use.
- Anthracene is used in the artificial production of the red dye alizarin.
- It is also used in wood preservatives, insecticides, and coating materials.

### **BENZOIC ACID:**

- It is used in the preservation of food.
- It is present in baby products, skin products, cleansing products, hair and nail products, soaps, bath products, detergents etc.
- It helps in the prevention of bacterial infection.
- It is used in toothpaste, jam, beverages, poultry, agriculture, perfume, dye etc.