

Types of Impurities

Organic Impurities

- Starting materials
- By-products
- Intermediates
- Degradation products
- Reagents, ligands and catalysts

Inorganic Impurities

- Reagents, ligands and catalysts
- Heavy metals or other residual metals
- Inorganic salts
- Other materials (e.g., filter aids, charcoal)

Residual Solvents

- **Class 1**- Solvents To Be Avoided
- **Class 2** - Solvents To Be Limited
- **Class 3** - Solvents with Low Toxic Potential

Solvents To Be Avoided

- Benzene
- Carbon Tetra Chloride
- 1,2-Dichloro Ethane
- 1,1-Dichloro Ethane
- 1,1,1-Trichloro Ethane

Solvents To Be Limited

- Acetonitrile
- Chloro Benzene
- Cumene
- Cyclo Hexane

Solvents with Low Toxic Potential

- Acetic Acid
- Acetone
- Etahnol
- Pentane
- Triethylamine (TEA)