Silver Chloride

AgNO₃ combines with chloride ions and forms AgCl precipitate.

Properties

- AgCl is obtained as a white precipitate
- AgCl is insoluble in water.
- It is soluble in aqueous ammonia

action of NH₃ with AgCl

Silver Nitrate

In the preparation of silver nitrate dilute nitric acid is used. Silver combines with HNO₃ and forms silver nitrate.

Properties

- It is colorless and is soluble in water.
- On heating AgNO₃ decomposes and forms silver, nitrogen dioxide and oxygen.

decomposition of silver nitrate

AgNO₃ forms precipitates with chlorides, bromides, phosphates and sulphides. It is extensively used in laboratories.

Contributors