



Nitric Acid

HNO₃

Nitric acid is a compound containing the molecules hydrogen, nitrogen and oxygen . It is used in fertiliser and chemical manufacture.



Properties

Nitric acid is a pale straw to colourless liquid with a strong odour, and is slightly viscous and corrosive. It is a powerful oxidising agent at higher concentrations.

GrowHow manufactures nitric acid in the following strengths:- 70%; 69% and 60%.

Uses

Most of GrowHow's nitric acid is combined with ammonia to manufacture ammonium nitrate based fertilisers. Nitric acid is also used in the chemical industry for the nitration of organic chemicals or inorganic metals. Typical uses are in the manufacture dyestuffs, explosives, fungicides, catalysts, polymers and man made fibres. It is also used in water treatment, food processing and in the recovery of spent nuclear fuel. Its corrosive properties also enable its use in metal pickling, metal cleaning and plating applications as it will react with most metals. Combined with Hydrochloric acid it produces a reagent which is one of the few that can dissolve platinum and gold.

Management Systems

GrowHow manufactures and supplies nitric acid using systems and processes accredited to the following standards:- ISO 9001:2000; ISO 14001 and OHSAS 18001. Making it a consistent and reliable supplier of high quality product. It is also a member of the Chemical Industry Association and subscribes to its Responsible Care Scheme.



GrowHow