

Nitrogen



MOP:-

It is prepared by fractional distillation of liquid air

Properties :-

a) Physical Properties:

Colorless gas

Odorless

tasteless

Dissolve in water

Less dissolve in alcohol

Innert in nature

Non inflammable gas

b) Chemical Properties :-

- i) It is directly combine with metals and form nitrides at high temperature.
- ii) Not support combustion.

Uses:

- Antioxidant
- for replacement of air in container of Parenterals
- Reagent in pharmaceutical preparation
- Manufacturing of ammonia, nitric acid
- Preservation of materials
- Liquid nitrogen used as a coolant in freezing process

Storage

“ It should be stored in metal cylinder painted gray on neck and black on body, painted name “nitrogen” on cylinder.”