



2- Ammonium Polyphosphate (APP,10-34,11-37)

Other Name :Polyphosphoric Acid (PPA),Ammonium Salts ,Formula :H6P4O13

Usage: Used as liquid fertilizer, a high concentration of binary compound fertilizer - low nitrogen, high phosphorus.

Confect various effective expansive fire-retardant coating .which can be used as fireproofing in high architecture ,shipping ,train ,cable .

Used as fire-retardant fiberboard ,treating in lignum ,vener ,paper ,fiber.

Main additive of intumescent flame retardant (IFR) for plastic ,colophony ,rubber.

Made into dry powder used in extinguishing large area fire in forest ,oil filed ,and coalfield.

Appearance	Liquid
P2O5%	34 % min or 37 % min
N Content %	10 % min or 11 % min
PH	6.0 -7.0 (20 c° , 10% water solution)
Insolubility	Less than 0.50 wt.%
Cd	50 ppm min
pb	10 ppm min

3-Ammonium Nitrate Solution

Ammonium Nitrate is a free or non-ionised ammonia generated due to the dissociation (which tends to be small)of AN ,which produce the toxic effects .it is a nitrogen fertilizer . it also has many varied uses as a raw material in industry and is also used for the production of laughing gas.

Typical analysis	Guaranteed percent
Ammonium nitrate as NH4NO3.WT%	54.3 Min
Total nitrogen ,as N. WT .%	19.0 min
Alkalinity ,as Ammonia .wt.%	0.5 max
Appearance	Clear
Physical Date	Typical
Specific gravity@60/60 ° F	1.254
Density 60 ° F	10.44
Salting -out Temperature ° F	34