

FCI FLAME RETARDANTS

34 Glen Lake Drive, Medford, NJ 08055

TECHNICAL DATA SHEET

Water-soluble Ammonium Polyphosphate

CAS No. : 68333-79-9

Chemical Formula: $(\text{NH}_4\text{PO}_3)_n$

Appearance: White, fine powder; can easily absorb moisture

SPECIFICATIONS	UNIT	STANDARD
Content of Nitrogen	%(w/w)	$\geq 24\%$
Content of Phosphorus	%(w/w)	$\geq 45\%$
pH value (1% aqueous solution)		7.5 ± 1
Solubility		Freely soluble in water

Applications

It can be used to make 20% P-N flame retardant solution, to be used alone or together with other FR additives in textile, paper, fibers and lumber, etc. It can also be used to make as high as 50% FR solution.

Safety and Toxicity

Acute oral toxicity, LD₅₀ (rat): 2000mg/kg LD50

Storage: Dry, at room temperature

Packing

25kg / bag, woven bag lined with PE.