

## Tetrasodium pyrophosphate

### 1. Properties of Tetrasodium Pyrophosphate:

White powder; Soluble in water (the water solution is alkaline), insoluble in organic solvent;  
Relative density 2.534(20℃); Melting point 880℃; Effloresce in dry air, dewatering to anhydrous matter at 100℃ ( $\text{Na}_4\text{P}_2\text{O}_7$ ).

### 2. Application of Tetrasodium pyrophosphate:

Used as water softener, cleaning agent in electroplating, boiler compound, metal antirusting agent, dye stuff intermediate desiccant, sugar juice purifying agent, photographic developer, coagulating agent of rubber latex, color fixer in fabric dyeing and flux in enamel ware manufacturing and so on.

### 3. Packaging:

N. W. 25kgs plastic-lined woven bags.

### 4. Specification:

0	Specifications	$\text{Na}_4\text{P}_2\text{O}_7$		$\text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$	
		Industrial	Food	Industrial	Food
1	Main contents% $\geq$	96.5	96.5	98.0	98.0
2	pH(10g/L solution)	9.9-10.7	9.9-10.7	9.9-10.7	9.9-10.7
3	Arsenic, as As% $\leq$		0.0003	0.0003	0.0003
4	Fluoride as F% $\leq$		0.005	0.005	0.005
5	Heavy metal, as Pb% $\leq$		0.001	0.001	0.001
6	Water insoluble% $\leq$	0.2	0.2	0.2	0.2

### 5. Usages of Tetrasodium pyrophosphate:

Tech grade:

Used as a water softening agent, cleaning agent in electroplating, color fixer in fabric dyeing and flux in enamel ware manufacturing and so on.

Food grade:

Used as water-conservative in food industry. Applied to can, fruit drinks, milk product, meat product, cheese and drinks.