



## Trisodium Phosphate

### 1. Properties of Trisodium Phosphate:

Colorless or white acicular crystal; Be soluble in water (the water solution is alkaline), insoluble in organic solvent; Relative density 1.62(20° C); Melting point 73.3-76.7° C (decomposition); Effloresce in dry air, dewatering to anhydrous matter at 100° C (Na<sub>3</sub>PO<sub>4</sub>).

### 2. Application of Trisodium Phosphate:

Used as water softener, cleaning agent in electroplating, boiler compound, mental antirusting agent, dyestuff 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 of Trisodium Phosphate:

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

### 4. Specification of Trisodium Phosphate:

Specifications	Na <sub>3</sub> PO <sub>4</sub>		Na <sub>3</sub> PO <sub>4</sub> .12H <sub>2</sub> O	
	Industrial	Food	Industrial	Food
Main contents% ≥	98.0	98.0	98.0	98.0
Phosphorus pentoxide%≥	39.5	39.5	18.3	18.3
Sodium oxide, as Na <sub>2</sub> O	36-40	36-40	15.5-19	15.5-19
Sulfate, as SO <sub>4</sub> % ≤		0.25	0.5	0.5
Heavy metal, as Pb% ≤		0.001	0.001	0.001
Arsenic, as As% ≤		0.0003	0.0003	0.0003
Fluoride as F% ≤		0.005	0.005	0.005
Water insoluble% ≤	0.10	0.10	0.10	0.10

### 5. Usages of Trisodium Phosphate:

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.