



Technical Data Sheet

Chemical Name: Trisodium phosphate

CAS: 7601-54-9

Molecular Formula: Na_3PO_4

Molecular Weight: 163.940671

Appearance: white powder

Technical Indicators:

Specifications	Superior quality	First-grade	Qualified products
Trisodium Phosphate(as $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$) % \geq	98.5	98.0	95.0
Sulfate(as SO_4)% \leq	0.50	0.50	0.80
Chloride(as Cl)% \leq	0.30	0.40	0.50
Water insoluble matter % \leq	0.05	0.10	0.30
methyl orange	16.5-19.0	16-09.0	15.5-19.0



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alkalinity(as Na ₂ O)			
Iron (Fe) % ≤	0.01	0.01	0.01
Arsenic (As) % ≤	0.005	0.005	0.05

Application:

Trisodium phosphate is a moisture retention agent in the food industry, it is used in canned food, fruit juice beverages, dairy products, meat products, cheese, and beverages. Used as a water softener and detergent in industries such as chemical, textile, printing and dyeing, papermaking, and power generation, boiler anti scaling agent, water softener in paper dyeing, pH buffering agent for adhesives used in wax paper production, fixing agent during printing and dyeing, silk gloss enhancer for fabrics, and anti brittleness agent for production lines. Metallurgical industry is used as a chemical degreasing and cleaning agent, and as an excellent promoter in photographic development solutions. Teeth cleaning agents and bottle cleaning detergents. Coagulant for rubber milk. Sugar juice purifier.

Solid trisodium phosphate (TSP) belongs to the category of strong alkali and weak acid salts, with strong alkalinity and high solubility. It has



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stable chemical properties and can be stored for a long time. Adding TSP instead of NaOH to the spray water of the containment spray system (EAS) can adjust the pH value of the spray liquid, effectively remove iodine gas released from the leaked cooling water into the containment, avoid harm to workers caused by strong alkali, and is easy to clean up after accidents.

Packaging: 25kg/drum

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