

Technical Data Sheet

Product Name: Sodium Tripolyphosphate (STPP)

Grade: Tech grade

Molecular Formula: Na₅P₃O₁₀

Standard Executed: GB/T9983-2004 (INDUSTRIAL GRADE)

Properties: White powder; Melting point 622 °C ; Easily soluble in water; It has got salient chelating capacity to metal ions of Ca and Mg etc. and can soften hard water to make suspension into solution, alkalinity, without causticity . It is a surfactant, and has got outstanding emulsification to lubricants and fat.

Specification

Index	Industrial Grade
主含量 Assay Na ₅ P ₃ O ₁₀ % ≥	94.0
五氧化二磷 P ₂ O ₅ % ≥	57.0
水不溶物 Water Insoluble Matter % ≤	0.10
铁 Iron(Fe) % ≤	0.015
PH值 (1%水溶物) PH value (1% water solution)	9.2-10.0
白度 Whiteness % ≥	90



Application:

Sodium tripolyphosphate tech grade is mainly used as additive for synthetic detergent, synergist for soap, softener for industrial water, dispersant for drilling mud, tanning agent for leather, dyeing agent for textile, catalyst for organic synthesis, as well as pharmaceutical, petroleum and synthetic rubber

Package and Storage:

plastic-woven sack with polythene inner bag, net weight 25kg, 50kg or 1000kg; keep away from water or moisture, do not pile up the open air.



Notes:

Irritating to eyes, respiratory system and skin; Wear suitable protective clothing; Avoid contact with skin and eyes
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.