



# Sodium Hexametaphosphate [SHMP] Tech Grade

## **SYNONYMS:**

Hexametaphosphate, sodium salt; SHMP; Metaphosphoric acid, hexadecium salt; Sodium polyphosphates, glassy

**CAS No:** 68915-31-1

**MOLECULAR FORMULA:**  $(\text{NaPO}_3)_6$

## **PROPERTIES:**

White powder, density is 2.484 (20), easily soluble in water, but not in organic solution, absorbent to dampness, and turn sticky when absorbed dampness in air. It is possible to form solvent compound with metallic ions such as Ca, Ba, Mg, Cu and Fe; It is a fine agent for water treatment.

## **SPECIFICATION:**

Phosphorus pentoxide (as P <sub>2</sub> O <sub>5</sub> )	> 68%
Inactive phosphate (P <sub>2</sub> O <sub>5</sub> )	< 7.5%
Iron (Fe)	< 0.05%
PH Value	5.8-7.3
Insoluble matter in water	< 0.05%

## **USAGE:**

Mainly used as water-treatment agent, bonding agent, floatation agent, dispersant. For industrial use, such as oil field, paper-making, textile, dyeing, petrochemical industry, tanning industry, metallurgical industry and building material industry, it is mainly used as a water softening agent in solution for printing, dyeing, and boiler; Diffusant in papermaking; Slow corrodent, floating agent, dispersing medium, high temperature agglomerant, detergent and soil analytical chemistry reagent.

## **PACKING**

25Kgs net bag.