

# Technical Data Sheet

Version: 1.0  
Page 1, Total 1

Date: 18 / 6 / 2026



Item Name:

# SHMP

## PRODUCT INFORMATION

|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| Chinese Name:      | 六偏磷酸钠                                                                    |
| Commodity Name:    | SHMP                                                                     |
| Chemical Name:     | Sodium Hexameta Phosphate                                                |
| Other Name:        | Metaphosphoric Acid Hexasodium Salt, Sodium Phosphate Glass, Graham Salt |
| CAS No.:           | 10124-56-8/ 68915-31-1                                                   |
| Molecular Weight:  | 611.77                                                                   |
| Molecular Formula: | (NaPO <sub>3</sub> ) <sub>6</sub>                                        |

## PRODUCT DESCRIPTION

Strong hygroscopicity, easy to decompose in the air, easily soluble in water; the aqueous solution is acid.

## TECHNICAL SPECIFICATION

| Index                                                          | Standard     |
|----------------------------------------------------------------|--------------|
| Appearance                                                     | White powder |
| Total phosphate (As P <sub>2</sub> O <sub>5</sub> ) by wt %    | 68.0 min     |
| Inactive Phosphate (As P <sub>2</sub> O <sub>5</sub> ) by wt % | 7.5 max      |
| Water Insoluble Matter by wt %                                 | 0.05 max     |
| Fe by wt %                                                     | 0.03 max     |
| pH Value (1% Solution)                                         | 5.8-6.8      |
| Passing through 60 mesh by wt %                                | 90 min       |

## MAIN APPLICATION

Used as high efficient additive of water softner and detergent in cooling water treatment in power station, vehicle, boiler and fertilizer plant.

As flotation agent in ore dressing industry and as sedative in pharmaceutical. And also used in fabric dyeing, leather, paper-making, soil analysis, radition chemical, analytical chemistry, etc.

## PACKING, LOADING AND SHELF LIFE

Packing: 25kg PP bag with PE liner

Loading: Without pallet: 1000~1080 bags (25~27mt)/20'fcl, On pallets: 880~960 bags (22~24mt)/20'fcl

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

## DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.