

Technical Data Sheet

Version: 2.0
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Date: 18 / 6 / 2026



Item Name:

STPP (GRANULAR)

PRODUCT INFORMATION

Chinese Name:	三聚磷酸钠
Commodity Name:	STPP
Chemical Name:	Sodium Tripolyphosphate
Other Name:	Pent-sodium Phosphate
CAS No.:	7758-29-4
Molecular Weight:	367.86
Molecular Formula:	$\text{Na}_5\text{P}_3\text{O}_{10}$

TECHNICAL SPECIFICATION

Index	Standard
Appearance	White granular
Purity ($\text{Na}_5\text{P}_3\text{O}_{10}$) by wt %	94.0 min
P_2O_5 by wt %	56.5 min
Pyrophosphate ($\text{Na}_4\text{P}_2\text{O}_7$) by wt %	4.0 max
Orthophosphate and Metaphosphate by wt %	2.0 max
Iron content (as Fe) by wt %	0.01 max
Water insoluble by wt %	0.10 max
Bulk density by g/ml	0.4 - 0.65
Phase I by wt %	15 - 40
Whiteness %	85 min
pH value (1% solution)	9.2 - 10.3
Particle size (100mesh pass by wt %)	95 min

MAIN APPLICATION

Water softener and buffering agent in detergent industry; Paper making; Dispersing agent in oil drilling mud; Ceramic, mining, water treatment industry and etc.

PACKING, LOADING AND SHELF LIFE

Packing: 25/1200kg PP bag with PE liner

Loading: 18mt/20'fcl, 26mt/40'HQ

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.

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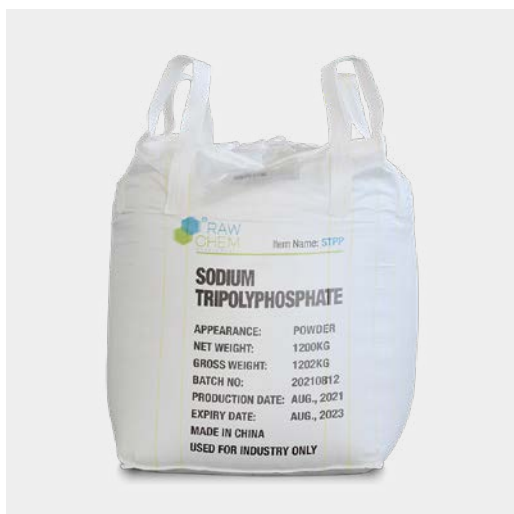
PRODUCT IMAGE



White Granular Pic

* The image shown here is indicative only. The actual product may differ.

PACKING, STORAGE AND LOADING



* 1200kg PP woven bags with PE liner Pic



* Loading Pic

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