



## Sodium Tripolyphosphate

### Product Description

Sodium Tripolyphosphate also is called as the STPP. This product is a class of amorphous water-soluble linear polyphosphates terminated with  $\text{Na}_2\text{PO}_4$  at both ends.

### Properties

Property	Value	Unit
Physical State:	Solid	
Odor:	Odorless	
Color:	White	
Melting point:	622	°C
Boiling point:	N/A	°C
Flash point:	N/A	°C
Specific gravity / density:	0.4-0.55	$\text{g/cm}^3$ at 25°C
Specific gravity / density:	0.6-0.75	$\text{g/cm}^3$ at 25°C
Specific gravity / density:	0.8	$\text{g/cm}^3$ at 25°C
Solubility:	20 g/100 ml of water at 25°C. 86.5 g/100 ml of water at 100°C. Very slightly soluble in methanol. Insoluble in diethyl ether, n-octanol.	

### Specifications

Item	Value	Unit
Purity:	94 Min	%
Phosphorus Pentoxide:	57 Min	%
Water Insoluble:	0.1 Max	%
Iron Content (Fe):	0.01 Max	%
Whiteness:	90 Min	%
PH Value (1% Solution):	9.2-10	

### Applications

- 1) In the synthetic detergent industry, mainly used as a synthetic detergent additives, and used as a soap synergist and prevent grease precipitation and frosting.



- 2) In food industry, used as a quality improver and water retention agent for canned, fruit drinks, dairy products, etc.
- 3) Used in the paper making, drilling, ceramic industry, too.

**Package**

25kg PP Bag, 1200kg Jumbo Bag

Loading Details(20'FCL)			
Density / g/cm <sup>3</sup>	Packaging	With Pallet	Without Pallet
0.4-0.55	25kg PP Bag	10mt	12mt
0.6-0.75	25kg PP Bag	18mt	21mt
0.8	25kg PP Bag	20mt	27mt
	1200kg Jumbo Bag	24	24

**Storage**

Store away from moisture.  
Store in a tightly closed container.  
Store in a cool, dry, well-ventilated area away from incompatible substances.

**Personal Protection**

Suggested to wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace