LIST OF OUR PRODUCTS

01 MONO SODIUM PHOSPHATE **(MSP)**

02
- 2.1 DI-SODIUM PHOSPHATE **(DSP)**
- 2.2 DI-SODIUM PHOSPHATE CRYSTAL **(DSP CRYSTAL)**

03
- 3.1 TRI-SODIUM PHOSPHATE **(TSP)**
- 3.2 TRI-SODIUM PHOSPHATE CRYSTAL **(TSP CRYSTAL)**

04
- 4.1 TETRA SODIUM PYROPHOSPHATE **(TSPP)**
- 4.2 TETRA SODIUM PYROPHOSPHATE CRYSTAL **(TSPP CRYSTAL)**

05 SODIUM TRI POLYPHOSPHATE **(STPP)**

06 SODIUM ACID PYROPHOSPHATE **(SAPP)**

07 MONO POTASSIUM PHOSPHATE **(MPP)**

08 DI-POTASSIUM PHOSPHATE **(DPP)**

09 TRI-POTASSIUM PHOSPHATE **(TPP)**

10 TETRA POTASSIUM PYROPHOSPHATE **(TKPP)**

11 MONO AMMONIUM PHOSPHATE **(MAP)**

12 DI-AMMONIUM PHOSPHATE **(DAP)**

13 DI-CALCIUM PHOSPHATE **(DCP)**

14 SODIUM HEXAMETA PHOSPHATE **(SHMP)**

15 POTASSIUM TRI POLY PHOSPHATE **(KTPP)**

16 19:19:19 AGRICULTURE FERTILIZER

17 20:20:20 AGRICULTURE FERTILIZER

05

PENTASODIUM TRIPHOSPHATE,
SODIUM TRIPHOSPHATE OR
SODIUM TRI POLYPHOSPHATE (STPP)

ANHYDROUS

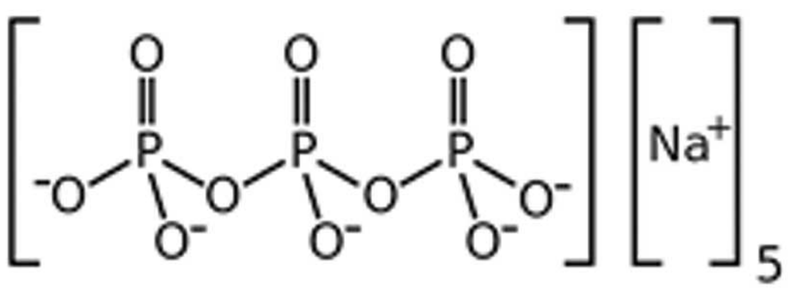
GRADES WE MANUFACTURE

1. Sodium Tri Polyphosphate, **Anhydrous (Technical Grade)**
2. Sodium Tri Polyphosphate, **Anhydrous (Pure Grade)**

FORMULATION

$3H_3PO_4 + 5NaOH = Na_5P_3O_{10} + 7H_2O$

$6H_3PO_4 + 5Na_2CO_3 = 2Na_5P_3O_{10} + 5CO_2 + 9H_20$



Sodium triphosphate is the sodium salt of the polyphosphate, which is the conjugate base of tri-phosphoric acid. STPP is a colorless salt, which exists as anhydrous and also as hexahydrate.
Its wide spread use is well known in detergent industries. The most common method of preparation is by reacting Mono Sodium and Disodium Phosphates.

APPLICATIONS

1. Sodium Tri polyphosphate forms a key component of **commercial detergents** and is used widely for that purpose
2. STPP serves as a **food preservative**, used to preserve meat, poultry, animal feeds and seafood
3. STPP is **used in ceramics** to increase viscosity of the glazes
4. Other uses of STPP are **leather tanning, in flame retardants, paper, anticorrosion pigments, textile, rubber manufacture, etc**

SPECIFICATIONS

Product Name	Sodium Tri polyphosphate (STPP) Anhydrous
IUPAC Name	Pentasodium tri-phosphate
Molecular Formula	$Na_5P_3O_{10}$
Molecular Weight	368
Appearance	White fine Powder
PH Range (1% w/v)	9.3 to 10.1
Poly % (minimum)	Technical grade: 90.00 Pure grade 94
P_2O_5 Phosphorus Pent Oxide Content % (minimum)	56.00
'Na' Sodium Content % (minimum)	30.00
Iron as 'Fe' content %	0.02
Clarity of solution	Technical grade (1 – 2 % w/v) clear solution Pure grade (5 % w/v) clear solution
Chloride as 'Cl' content %	Technical grade: 0.02 Pure grade: 0.0004 – 0.002
Sulfate as 'SO4' content %	Technical grade: 0.2 Pure grade: 0.004 – 0.025
Arsenic as 'As' %	Technical grade: ND Pure grade: nil – <0.0001
Fluoride as 'Fl' %	Technical grade: ND Pure grade: nil – <0.0001
Heavy metals %	Technical grade: ND Pure grade: <0.0001 – 0.0009

PACKING

1. HDPE bag with LDPE liner in 20kg, 25kg, 40kg and 50kg
2. As per customer's request

Please email your query to promptly receive detailed ***Certificate of Analysis*** and ***MSDS*** for your required **GRADE**