

## About us 公司简介

四川绵竹华丰磷化工有限公司是一家新加坡独资企业，公司成立于1996年，总部位于新加坡，工厂位于四川省绵竹市拱星工业园区，是一家集磷矿开采、黄磷、磷酸和精细磷酸盐生产于一体的综合性生产厂家。

公司主要生产高品位磷矿石、低砷黄磷、五氧化二磷、红磷、三聚磷酸钠、六偏磷酸钠、焦磷酸钠等精细磷酸盐系列产品，产品广泛应用于日化、涂料洗涤、食品、农化、医药、水处理等行业。公司始终坚持“顾客至上，质量第一”的管理理念，引进先进生产设备和技术，不断推出新产品和服务，以满足市场需要。产品除畅销国内，还远销欧洲、美国、东南亚、澳大利亚、韩国等国家和地区，得到了客户的广泛认同和一致好评。

Founded in 1996 and headquartered in Singapore, Norwest Chemicals is a vertically integrated phosphorus chemicals producer with production facilities located in Gongxing Industrial Park, Mianzhu city Sichuan province, P. R. China.

Our products cover High Grade Phosphate Rocks, Yellow Phosphorus, Red Phosphorus, P<sub>2</sub>O<sub>5</sub>, Phosphoric Acid, STPP, SHMP, TSPP, SAPP, DSP, MSP, MKP, DKP, TKPP (tech and food grade) and other phosphate specialties. Our company is certified by ISO 9001:2008 and ISO 14001:2004 and our products are approved by Kosher and NSF certifications. To meet EU clients' import request, we completed full REACH registration for STPP and Pre-registration for yellow phosphorus, in process of Reach registration for other products as the client's request.

Based on our first-rate production technology, reliable quality control, professional service and long-term business expertise in cooperation with domestic and international leading industrial players, we will be honored to be your reliable long term business partner. Welcome to contact us for business cooperation.



## Sodium Hexametaphosphate SHMP

### 1. Description

Product Name: Sodium Hexametaphosphate (SHMP)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Glassy Sodium Phosphate  
Chemical Formula:  $(\text{NaPO}_3)_6$   
CAS No: 66915-31-1 (Technical Grade)  
10124-56-8 (Food Grade)

### 2. Physical and Chemical Properties

Appearance: White Powder /Granules, Plates  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Total Phosphorus (as $\text{P}_2\text{O}_5$ )	%	68min	68min
Inactive phosphates	%	7.5max	7.5max
PH (1% solution)		5.8~7.3	5.8~7.3
Water Insoluble Matter	%	0.10max	0.06max
Chain Length		0-24	0-24
Iron (as Fe)	mg/kg	300max	200max
Fluoride (as F)	mg/kg		50max
Arsenic (as As)	mg/kg		3max
Heavy Metals (as Pb)	mg/kg		10max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Sodium Tripolyphosphate STPP

### 1. Description

Product Name: Sodium Tripolyphosphate (STPP)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Pentasodium Tripolyphosphate  
Chemical Formula:  $\text{Na}_5\text{P}_3\text{O}_{10}$   
CAS No: 7758-29-4

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $\text{Na}_5\text{P}_3\text{O}_{10}$ )	%	94min	94min
Total Phosphorus (as $\text{P}_2\text{O}_5$ )	%	56min	56min
PH (1% solution)		9.2~10.3	9.2~10.3
Bulk Density	g/ml	0.5~1.2	0.5~1.2
Water Insoluble Matter	%	0.1max	0.05max
Arsenic (as As)	ppm		3max
Heavy Metals (as Pb)	ppm		10max
Fluoride (as F)	ppm		50max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

Web: [www.asiaphos.com](http://www.asiaphos.com)

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Yellow Phosphorus P4

### 1. Description

Product Name: Yellow Phosphorus (P4)  
Grade: Low/ Standard As Content Grade  
Other Chemical Name: White Phosphorus  
Chemical Formula: P4  
CAS No: 7723-14-0

### 2. Physical and Chemical Properties

Appearance: Light yellow, wax-like, semi-transparent solid  
Odor: Odor

### 3. Specification

Item	Unit	Low As	Standard As
Purity (as P4)	%	99.90min	99.90min
Insoluble Matter in CS <sub>2</sub>	%	0.05max	0.05max
Arsenic (as As)	ppm	80max	150max

\*Special quality control can be tailor-made as to request\*

### 4. Package

In 200kg net galvanized steel drum or ISO tank

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

Web: [www.asiaphos.com](http://www.asiaphos.com)

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Dicalcium Phosphate DCP

### 1. Description

Product Name: Dicalcium Phosphate (DCP)  
Grade: Feed Grade / Food Grade  
Other Chemical Name: Calcium hydrogen phosphate  
Chemical Formula:  $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$   
CAS No: 7789-77-7

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Feed Grade	Food Grade
Assay (as $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ )	%		98min
Arsenic (as As)	mg/kg	30max	3max
Heavy Metals ( as Pb )	mg/kg	30max	10max
Fluoride (as F)	mg/kg	180max	50max
Loss on Ignion	%		24.5~26.5
Total P content	%	18min	
Calcium (Ca)	%	21min	

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Dipotassium Phosphate DKP

### 1. Description

Product Name: Dipotassium Phosphate (DKP)  
Grade: Food Grade / Technical Grade  
Other Chemical Name: Potassium Phosphate Dibasic  
Chemical Formula:  $K_2HPO_4 \cdot nH_2O$  (n=0 or 3)  
CAS No: 7558-11-4 (Anhydrous); 16788-57-1 (Trihydrate)

### 2. Physical and Chemical Properties

Appearance: Anhydrous is white powder  
Trihydrate is white crystal powder  
Odor: Odorless

### 3. Specification

Item	Unit	Anhydrous		Trihydrate	
		Tech Grade	Food Grade	Tech Grade	Food Grade
Main Contents	%	98.0min	98.0min	97.0min	97.0min
Phosphorus Pentoxide	%	40.0min		30.2min	30.2min
K <sub>2</sub> O	%	52.0min	52.0min	40.0min	40.0min
PH (1% Solution)		8.0-9.3	8.7-9.3	8.8-9.6	8.8-9.6
Water Insoluble Matter	%	0.2max	0.2max	0.25max	0.25max
Fluoride (as F)	mg/kg		30max		50max
Heavy metals (as Pb)	mg/kg		10max		10max
Arsenic (as As)	mg/kg		3max		3max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

**AsiaPhos Limited**

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Disodium Phosphate DSP

### 1. Description

Product Name:	Disodium Phosphate (DSP)
Grade:	Food Grade / Technical Grade
Chemical Formula:	Na <sub>2</sub> HPO <sub>4</sub> ·nH <sub>2</sub> O(n=0 or 12)
CAS No:	7758-79-4(Anhydrous); 10039-32-4(Dodecahydrate)

### 2. Physical and Chemical Properties

Appearance:	Anhydrous is white powder Dodecahydrate is white crystal powder
Odor:	Odorless

### 3. Specification

Item	Unit	Anhydrous		Dodecahydrate	
		Tech Grade	Food Grade	Tech Grade	Food Grade
Main Contents	%	98.0min	98.0min	97.0min	97.0min
PH (1% Solution)		8.5-10.0	8.5-10.0	8.8-9.2	8.8-9.2
Sulfate (as SO <sub>4</sub> )	%			0.7max	0.25max
Fluoride (as F)	mg/kg		50max		50max
Heavy Metals (as Pb)	mg/kg		10max		10max
Arsenic (as As)	mg/kg		3max		3max
Water Insoluble Matter	%	0.10max	0.10max	0.10max	0.10max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Monoammonium Phosphate MAP

### 1. Description

Product Name: Monoammonium Phosphate ( MAP )  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Ammonium Dihydrogen Phosphate  
Chemical Formula:  $\text{NH}_4\text{H}_2\text{PO}_4$   
CAS No: 7722-76-1

### 2. Physical and Chemical Properties

Appearance: White Crystal  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $\text{NH}_4\text{H}_2\text{PO}_4$ )	%	98min	98min
Phosphorus Pentoxide	%	61min	61min
Nitrogen (as N)	%	11.8min	11.8min
PH (1% Solution)		4.2~4.8	4.2~4.8
Moisture	%	0.2max	0.2max
Water Insoluble Matter	%	0.1max	0.1max
Arsenic (as As)	mg/kg		3max
Fluoride (as F)	mg/kg		50max
Heavy Metals (as Pb)	mg/kg		10max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

**AsiaPhos Limited**  
10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)





## Monocalcium Phosphate MCP

### 1. Description

Product Name: Monocalcium Phosphate (MCP)  
Grade: Feed Grade / Food Grade  
Other Chemical Name: Calcium Phosphate Monobasic  
Chemical Formula:  $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$   
CAS No: 7758-23-8

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Feed Grade	Food Grade
Phosphorus (P)	%	22min	
Calcium (Ca)	%	13min	15.9~17.7
Arsenic (as As)	mg/kg	30max	3max
Heavy Metals ( as Pb )	mg/kg	30max	10max
Fluoride (as F)	mg/kg	180max	25max
Loss on drying	%		17max
PH (1% Solution)		3min	

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Monopotassium Phosphate MKP

### 1. Description

Product Name: Monopotassium Phosphate ( MKP)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Potassium Dihydrogen Phosphate  
Chemical Formula:  $\text{KH}_2\text{PO}_4$   
CAS No: 7778-77-0

### 2. Physical and Chemical Properties

Appearance: White Crystal  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $\text{KH}_2\text{PO}_4$ )	%	98min	98min
$\text{P}_2\text{O}_5$	%	51.5min	51.5min
$\text{K}_2\text{O}$	%	34min	34min
PH (1% Solution)		4.2~4.7	4.2~4.7
Heavy Metals (as Pb)	mg/kg		10max
Arsenic (as As)	mg/kg		3max
Fluoride (as F)	mg/kg		10max
Water Insoluble Matter	%	0.2max	0.2max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Monosodium Phosphate MSP

### 1. Description

Product Name: Monosodium Phosphate (MSP)  
Grade: Food Grade / Technical Grade  
Other Chemical Name: Sodium Phosphate Monobasic  
Chemical Formula:  $\text{NaH}_2\text{PO}_4 \cdot n\text{H}_2\text{O}$  (n=0 or 2)  
CAS No: 7558-80-7 (n=0) ; 13472-35-0 (n=2)

### 2. Physical and Chemical Properties

Appearance: Anhydrous is white powder  
Dihydrate is white crystal powder  
Odor: Odorless

### 3. Specification

Item	Unit	Anhydrous		Dihydrate	
		Tech Grade	Food Grade	Tech Grade	Food Grade
Main Contents	%	98.0min	98.0min	98.0min	98.0min
Phosphorus Pentoxide	%	58.0min	58.0min	44.6min	44.6min
PH (1% Solution)		4.2-4.8	4.2-4.8	4.2-4.8	4.2-4.8
Heavy Metals (as Pb)	mg/kg		10max		10max
Arsenic (as As)	mg/kg		3max		3max
Fluoride (as F)	mg/kg		50max		50max
Water Insoluble Matter	%	0.20max	0.20max	0.20max	0.20max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Phosphorus Pentoxide P2O5

### 1. Description

Product Name: Phosphorus Pentoxide  
Grade: Technical Grade  
Other Chemical Name: Phosphoric Anhydride  
Chemical Formula: P2O5  
CAS No: 1314-56-3

### 2. Physical and Chemical Properties

Appearance: White Crystal Powder  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade
Assay (as P <sub>2</sub> O <sub>5</sub> )	%	98min
Water Insoluble Matter	%	0.02max
Total Nitrogen ( as N )	%	0.01max
Reducing Substance (as P <sub>2</sub> O <sub>3</sub> )	%	0.02max
Heavy Metals (as Pb)	%	0.01max
Clarity test		Pass

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg bag or 50kg /200kg steel drum on client's request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Red Phosphorus P4

### 1. Description

Product Name: Red Phosphorus (P4)  
Grade: Technical Grade  
Other Chemical Name: Phosphorus Red  
Chemical Formula: P4  
CAS No: 7723-14-0

### 2. Physical and Chemical Properties

Appearance: Red or auburn amorphous powder  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade
P4 Content	%	97.5min
Yellow Phosphorus	%	0.005max
Free Acid	%	0.3max
Moisture	%	0.25max
Particle Size	Mesh	As to the client's request

\*Special quality control can be tailor-made as to request\*

### 4. Package

50kg iron drums (5bag×10kg/bag); strike, rolling or throwing strictly forbidden isolated in storage

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Phosphoric Acid 85% P A85%

### 1. Description

Product Name: Phosphoric Acid (PA85%)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Orthophosphoric Acid  
Chemical Formula:  $H_3PO_4$   
CAS No: 7664-38-2

### 2. Physical and Chemical Properties

Appearance: Clear Liquid  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $H_3PO_4$ )	%	85min	85min
Color		30max	20max
Chloride (as $Cl^-$ )	ppm	5max	5max
Fe	ppm	20max	20max
Arsenic (as As)	ppm	50max	5max
Sulphate (as $SO_4^{2-}$ )	ppm	50max	50max
Pb	ppm	10max	5max
$H_3PO_3$	%		0.012max

\*Special quality control can be tailor-made as to request\*

### 4. Package

Plastic 35kg or 330kg drum or 1600kg IBC tank as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Polyphosphoric Acid PPA

### 1. Description

Product Name: Polyphosphoric Acid (PPA)  
Grade: Technical Grade  
Other Chemical Name: Acidepolyphosphorique  
Chemical Formula:  $H_6P_4O_{13}$   
CAS No: 8017-16-1

### 2. Physical and Chemical Properties

Appearance: Clear Liquid  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade
Assay	%	105min / 115min
Heavy metal (as Pb)	ppm	10max
Fluoride (as F)	ppm	10max
Iron (as Fe)	ppm	30max
Arsenic (as As)	ppm	50max
Chloride as Cl	ppm	50max

\*Special quality control can be tailor-made as to request\*

### 4. Package

Plastic 35kg or 330kg drum or 1600kg IBC tank as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room 13F/F New Times Square Wenwu Road  
No. 42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Sodium Acid Pyrophosphate SAPP

### 1. Description

Product Name: Sodium Acid Pyrophosphate (SAPP)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Disodium Dihydrogen Pyrophosphate  
Chemical Formula:  $\text{Na}_2\text{H}_2\text{P}_2\text{O}_7$   
CAS No: 7758-16-9

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $\text{Na}_2\text{H}_2\text{P}_2\text{O}_7$ )	%	95min	95min
$\text{P}_2\text{O}_5$	%	63~64	63~64
PH (1% solution)		3.5~4.5	3.5~4.5
Water Insoluble Matter	%	1.0max	1.0max
Fluoride (as F)	mg/kg		50max
Heavy Metals (as Pb)	mg/kg		10max
Arsenic (as As)	mg/kg		3max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)





## Sodium Trimetaphosphate STMP

### 1. Description

Product Name: Sodium Trimetaphosphate (STMP)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Trimetaphosphate Trisodium  
Chemical Formula:  $(\text{NaPO}_3)_3$   
CAS No: 7785-84-4

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Tech Grade	Food Grade
Assay	%	95min	95min
P <sub>2</sub> O <sub>5</sub>	%	68min	68min
PH (1% solution)		6.0~9.0	6.0~9.0
Water Insoluble	%	1.0max	0.5max
Heavy Metals ( as Pb )	mg/kg		10max
Arsenic (as As)	mg/kg		3max
Fluoride (as F)	mg/kg		50max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Tricalcium Phosphate TCP

### 1. Description

Product Name: Tricalcium Phosphate (TCP)  
Grade: Feed Grade / Food Grade  
Other Chemical Name: Calcium Phosphate Tribasic  
Chemical Formula:  $\text{Ca}_3(\text{PO}_4)_2$   
CAS No: 7758-87-4

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Feed Grade	Food Grade
Phosphate (P)	%	18min	
Calcium (Ca)	%	30min	34~40
PH (1% Solution)		3.5~4.5	
Loss on Ignition	%	8max	10max
Heavy Metals ( as Pb )	mg/kg	30max	10max
Arsenic (as As)	mg/kg	30max	3max
Fluoride (as F)	mg/kg		75max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Tetrapotassium Pyrophosphate TKPP

### 1. Description

Product Name: Tetrapotassium Pyrophosphate (TKPP)  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Potassium diphosphate  
Chemical Formula:  $K_4P_2O_7$   
CAS No: 7320-34-5

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $K_4P_2O_7$ )	%	96min	96min
Iron (as Fe)	%	0.03max	0.03max
PH (1% solution)		10-10.7	10-10.7
Water Insoluble Matter	%	0.1max	0.2max
Heavy Metals ( as Pb )	mg/kg		20max
Arsenic (as As)	mg/kg		3max
Fluoride (as F)	mg/kg		10max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,  
Singapore 339510  
Tel: +65-6292 3119  
Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road  
No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China  
Tel: +86 28-8661 0596  
Fax: +86 28-8663 0571  
Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)  
Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Trisodium Phosphate TSP

### 1. Description

Product Name: Trisodium Phosphate (TSP) , Dodecahydrate  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Trisodium Orthophosphate  
Chemical Formula:  $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$   
CAS No: 7758-79-4

### 2. Physical and Chemical Properties

Appearance: White Crystal Powder  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $\text{Na}_3\text{PO}_4$ )	%	98min	98min
Phosphorus pentoxide( $\text{P}_2\text{O}_5$ )	%	15.5~19	15.5~19
PH (1% solution)		11.5~12.5	11.5-12.5
Water Insoluble Matter	%	0.1max	0.1max
Heavy Metals (as Pb)	mg/kg		10max
Arsenic (as As)	mg/kg		3max
Fluoride (as F)	mg/kg		50max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,  
Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,  
Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)



## Tetra-Sodium Pyrophosphate TSPP

### 1. Description

Product Name: Tetra-Sodium Pyrophosphate (TSPP), Anhydrous  
Grade: Tech Grade / Food Grade  
Other Chemical Name: Sodium Pyrophosphate  
Chemical Formula:  $\text{Na}_4\text{P}_2\text{O}_7$   
CAS No: 7722-88-5

### 2. Physical and Chemical Properties

Appearance: White Powder or Granules  
Odor: Odorless

### 3. Specification

Item	Unit	Technical Grade	Food Grade
Assay (as $\text{Na}_4\text{P}_2\text{O}_7$ )	%	96.5min	96.5min
PH (1% solution)		9.9~10.7	9.9~10.7
Water Insoluble Matter	%	0.2max	0.2max
Heavy Metals (as Pb)	mg/kg		10max
Arsenic (as As)	mg/kg		3max
Fluoride (as F)	mg/kg		50max

\*Special quality control can be tailor-made as to request\*

### 4. Package

25kg net in plastic bag or 1000kg net in bulk bag, or as to request

### 5. Contact Info

#### Headquarter:

#### AsiaPhos Limited

10 Kallang Avenue,

Aperia #05-11,

Singapore 339510

Tel: +65-6292 3119

Fax: +65-6292 3122

#### Chengdu Sales Office:

Room13F/F New Times Square Wenwu Road

No.42 Xinhua Avenue Jinjiang District,

Chengdu City, Sichuan Province, China

Tel: +86 28-8661 0596

Fax: +86 28-8663 0571

Email: [commercial@norwestchemicals.com](mailto:commercial@norwestchemicals.com)

Web: [www.norwestchemicals.com](http://www.norwestchemicals.com)