



QINGDAO YUYIN CHEMICAL CO., LTD
青岛堉垠化工有限公司



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Qingdao Yuyin Chemical Co., Ltd was founded in 2002. It is a corporation engaged in producing and exporting chemical materials, food additive and other chemicals. Our main products are Sodium Tripolyphosphate(STPP), Sodium Metabisulphite, Sodium Metasilicate, Soda Ash, Caustic Soda etc. We mainly export to Asia, Europe, Africa and South America etc. With the development of the company, we have expanded customers globally. With well–deserved reputation, good service and qualified products, we have won the domestic and international customers’ extensive praise and trust.

Our purpose is to supply the best quality chemicals to the global customers with professional service, high quality and competitive price.

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Sodium Tripolyphosphate(STPP)

Molecular Formula: Na₅P₃O₁₀

CAS No: 7758–29–4

HS Code: 28353100

Main Uses:

Used as main detergent builder, as soft water agent, as detergent building foaming agent, as emulsifier of oils and greases, as peptizing agents, as ph buffers, and to provide alkalinity. Used in oil well drilling, sequestration in cotton boiling, bath water softening, red and black water control, cathodic corrosion inhibitor. Food grade can be used as improver in fish, meat manufactures, clarifying agent in drinks.



Sodium Tripolyphosphate (Industrial Grade)

Item	Index
Assay, Na ₅ P ₃ O ₁₀ %	≥90
P ₂ O ₅ %	≥56.5
Water Insoluble %	≤0.10
PH, 1% Solution @25.0	9.2–10.0
Iron, as Fe %	≤0.007
Whiteness %	≥90
Bulk Density (kg/m3)	600–900

Sodium Tripolyphosphate Powder (Food Grade)

Item	Index
Assay, Na ₅ P ₃ O ₁₀ %	≥95
P ₂ O ₅ %	≥57
Water insoluble %	≤0.05
PH, 1% solution @25.0	9.5–10.0
Fluoride, as F (ppm)	≤50
Arsenic, as As (ppm)	≤3
Lead, as Pb (ppm)	≤5



Sodium Metabisulphite

Molecular Formula: Na_2SO_3

CAS No: 7681-57-4

HS Code: 28321000

Main Uses:

Industrial Grade: Dyeing mordant, dechlorinating agent for washed fabric, medical deoxidizer and sulfonating agent, bone black for bamboo, wood and paper fiber, non-ferrous mineral separation agent, waste water disposing agent, rubber coagulator.

Food Grade: Bleaching agent (for sugar, pastry, dried slices of tender bamboo shoots etc), loosening agent (for bread, biscuit etc), corrosion protection antiseptic (fruit juice, can etc), antioxidant (for lily flower, sea food, fruit, vegetable etc)



Sodium Metabisulphite (Industrial Grade)

Item	Index
Content ($\text{Na}_2\text{S}_2\text{O}_5\%$)	$\geq 96.5\%$
Fe%	$\leq 0.005\%$
Insoluble substance in water%	$\leq 0.05\%$
As%	$\leq 0.0001\%$

Sodium Metabisulphite (Food Grade)

Item	Index
Content ($\text{Na}_2\text{S}_2\text{O}_5\%$)	$\geq 96.5\%$
Fe%	$\leq 0.003\%$
Insoluble substance in water%	0.05%
Heavy metal (Pb)%	$\leq 0.005\%$
As%	$\leq 0.0001\%$



Sodium Silicate Solid

Molecular Formula: $\text{Na}_2\text{O} \cdot \text{MSiO}_2$

CAS No: 1344-09-8

HS Code: 28391910

Main Uses:

Chemicals: Raw material for the manufacture of amorphous silica, silica gel, molecular screens and white fillers.

Detergents: Additive for alkalinity control and corrosion inhibition.

Textiles:

- Stabilizer in bleaching with hydrogen peroxide.
- Metal sequestering agent.
- PH regulator.

Paper:

- Adhesive for corrugated cardboard.
- Stabilizer in bleaching with hydrogen peroxide.

Foundry: Binder of molding sands.

Mining: Additive for mineral pelletizing.

Construction: Floor consolidation.

Welding: Binder in manufacture of rods.

Metallurgy and Refractory: Materials Setting accelerator for cement and refractories curing (gunited)



Item	MODEL 1	MODEL 2	MODEL 3
M.R.	1.9-2.2	2.3-2.5	3.2-3.5
($\text{Na}_2\text{O}+\text{SiO}_2\%$)	≥ 98.50	≥ 98.50	≥ 99.00
($\text{Fe}_2\text{O}_3\%$)	≤ 0.050	≤ 0.020	≤ 0.020
($\text{Al}_2\text{O}_3\%$)	≤ 0.50	≤ 0.20	≤ 0.25



Sodium Silicate Powder

Main Uses:

Sodium Silicate Powder is widely applied in metallurgy industry, electricity industry and building industry. It was used as binder for making fire-resistant material, industry cleaner and antiseptic. In detergent industry, soap industry, it is as anti-oil agent, filling agent and corrosion buffer. As the binder and high temperature filling agent, it is utilized refractory, core, casting, strengthen the force character and durability for cement as fast-drying material. As the filling-hole material and strengthen material, it is utilized in oil-exploitation, nature gas exploitation, tunnel. Sodium Silicate Powder can be as the application scope of liquid sodium silicate.



Item	MODEL 1	MODEL 2
Na ₂ O%+ SiO ₂ %	≥77	≥77
M.R.	1.90–2.10	2.90–3.10
WHITENESS%	≥90	≥90
BULK DENSITY (g/cm ³)	0.40–0.50	0.55–0.70
IGNITION LOSS (900℃) %	18.0–19.0	15.0–18.0



Sodium Metasilicate Pentahydrate

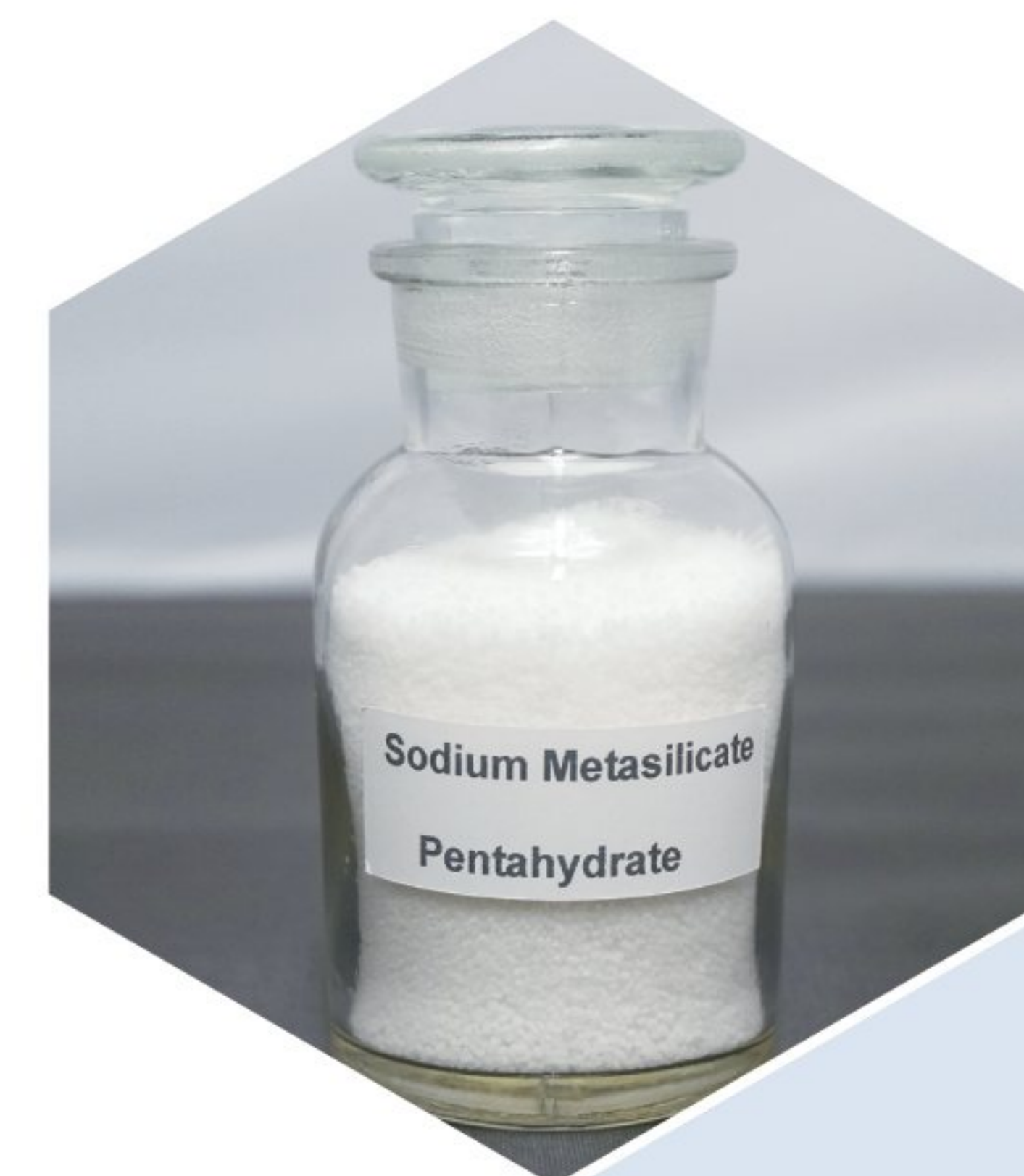
Molecular Formula: Na₂SiO₃ · 5H₂O

CAS No: 10213–79–3

HS Code: 28391100

Main Uses:

- Dairy cleaning
- Laundry operations
- Detergent formulations
- Metal cleaning
- Dishwashing compounds
- Paper mill operations
- Car wash
- Industrial cleaners
- Concrete cleaning



Item	Index
Na ₂ O %	28.00–30.00
SiO ₂ %	27.00–29.00
Whiteness %	≥80
Particle Size (16–30mesh)%	≥90
Fe (ppm)	≤100
Water Insoluble %	≤0.2
Bulk Density (g/cm ³)	0.80–0.97
PH of 1% Solution	12–13
Melting Point	72.2° C



Sodium Metasilicate Anhydrous

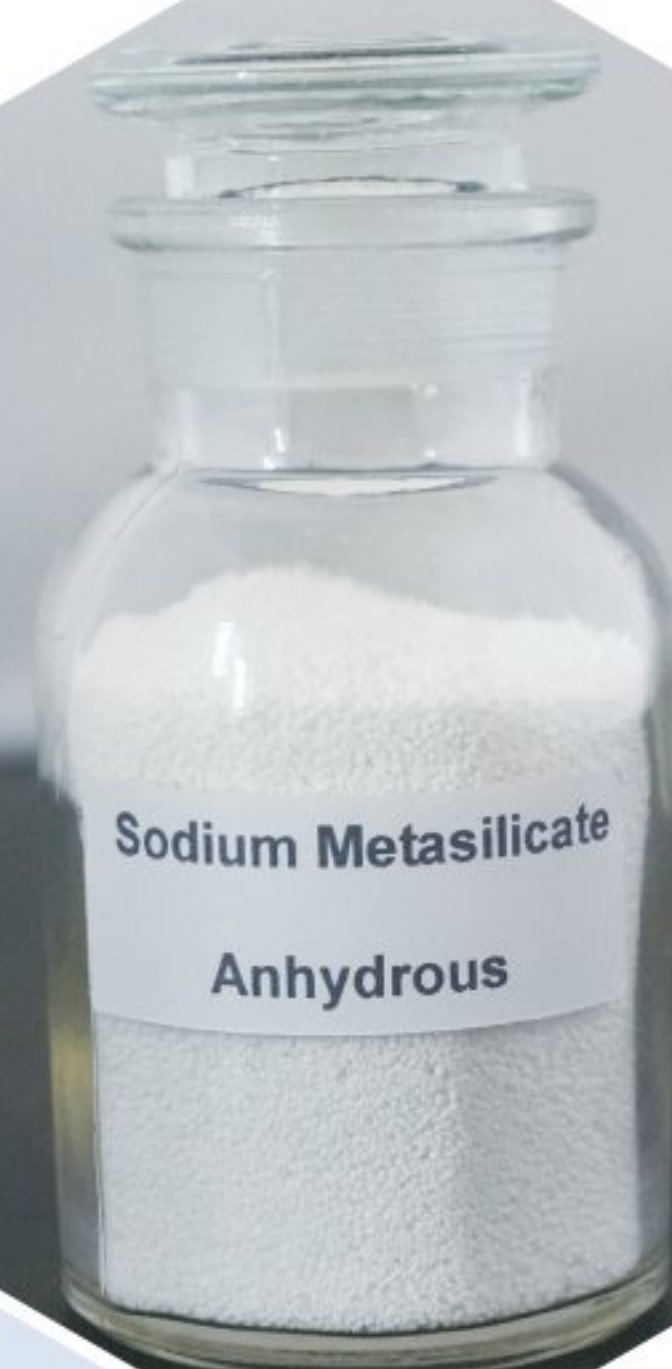
Molecular Formula: $\text{Na}_2\text{O} \cdot \text{SiO}_2$

CAS No: 6834-92-0

HS Code: 28391100

Main Uses:

- Drilling
- Textile process
- Dairy cleaning
- Floor cleaning
- Detergent formulations
- Laundry operations
- Dishwashing compounds
- Metal cleaning
- Industrial cleaners
- Soil stabilization



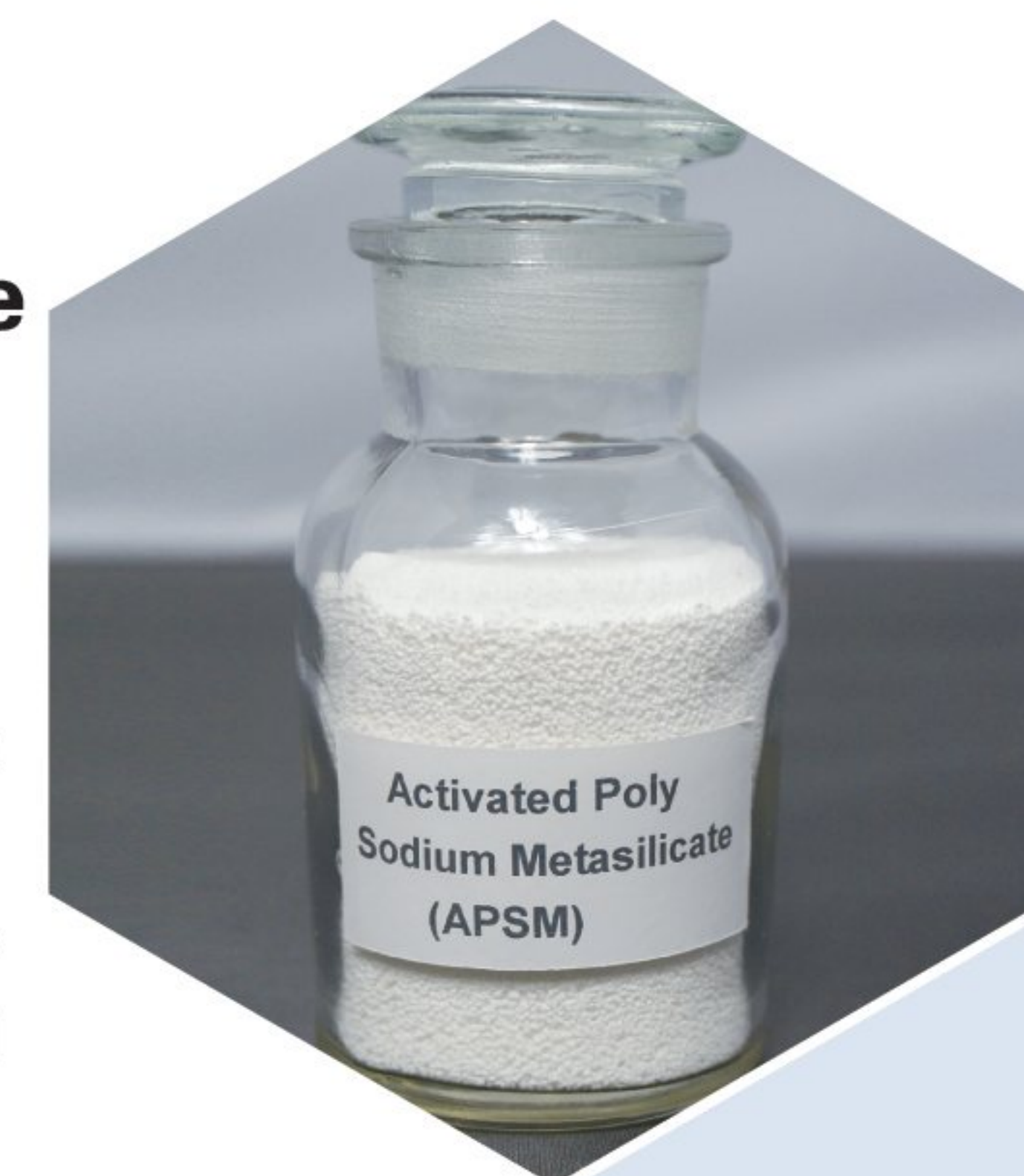
Item	Index
Na ₂ O %	49.50–51.50
SiO ₂ %	45.00–47.00
Whiteness %	≥90
Particle Size(18–60mesh)%	≥93
Bulk Density (g/cm ³)	0.98–1.35
Fe (ppm)	≤200



Activated Poly Sodium Metasilicate (APSM)

Product Features:

- 1) APSM is equal to STPP in terms of calcium and magnesium complexing performance.
- 2) APSM is highly compatible with any kinds of surface active agents (especially for non-ionic surface active agent), and stain removal capability is also satisfactory.
- 3) APSM easily dissolves in water, 15g minimum can be dissolved in 10ml of water.
- 4) APSM is capable of soakage, emulsification, suspending and anti-deposition. PH damping value is also desirable.
- 5) APSM is high in effective content, the powder is in high whiteness, and it's suitable to be used in detergents.
- 6) APSM with high performance price ratio is environment-friendly, it can improve the liquidity of pulp, increase solid content of pulp, and save energy consumption thus greatly reduce the cost of detergents.
- 7) APSM can be used as an auxiliary agent to partly replace or completely replace STPP, and meet the demands of users.



Item	Index
Ca exchange capacity (CaCO ₃),mg/g	≥330
Mg exchange capacity (MgCO ₃),mg/g	≥340
Particle size (20 mesh sieve) , %	≥90
Whiteness, %	≥90
pH, (0.1% aq., 25° C)	≤11.0
Water insolubles, %	≤1.5
Water, %	≤5.0
Na ₂ O+SiO ₂ ,%	≥77



Sodium Sulphate Anhydrous

Molecular Formula: Na_2SO_4

CAS No: 7757-82-6

HS Code: 28331100

Main Uses:

widely used in bleaching, glass, paper making, tanning, metal smelting, surface treatment and filler industries. It is also used in chemical industry as material of manufacturing sodium sulphide, sodium silicate and other chemical products.



Item	Index
PURITY(Na_2SO_4)	≥ 98.50
Ca+ Mg (AS MG)	≤ 0.2
CHLORIDE CONTENT(as Cl)	≤ 0.5
Iren(Fe) content	≤ 0.002
MOISTURE CONTENT	≤ 0.2
Water insolubles	≤ 0.05
Whiteness	82 min.



Iron Oxide

Molecular Formula: Fe_2O_3

CAS No: 1309-37-1

HS Code: 28211000

Main Uses:

Ferric oxide pigment owns good physical and chemical performances: Acid resistance, alkali resistance, light resistance and heat resistance Water resistance and solvent resistance: insoluble in water, all kinds of mineral oil, plant oil and organic solvents.



Specifications:

Item	Red110	Red130	Red190	Yellow311	Yellow313	Black780
Content $\geq$ %	96	96	96	86	86	90
Moisture $\leq$ %	1.0	1.0	1.0	1.0	1.0	1.0
Volatile(105° C)% $\leq$	0.8	0.8	0.8	0.8	0.8	0.5
Water Soluble %(M/M) $\leq$	0.3	0.3	0.5	0.3	0.3	0.5
pH value	5-7	5-7	5-7	4-6	4-6	5-8
Oil Absorption %	15-25	15-25	15-25	25-35	25-35	15-25
Tinting Strength %	95-105	95-105	95-105	95-105	95-105	95-105



Molecular Formula: $C_2H_4N_4$

CAS No: 461-58-5

HS Code: 29262000

Main Uses:

Mainly used as a raw material for the manufacture of guanamine, gibuamide, various resins, trimeric cyanamide, fire retardant etc. Used as filler in leatherette and as additive in adhesive agent. Also used as material for making guanidine nitrate, sulfadiazine, virusin etc. In dyeing industry, it is used for making dye auxiliaries. It is used for making accelerator of vulcanizing in rubber industry and for making colour fixatives in printing and dyeing industry; for making hardening agent on the surface of iron and steel; for making synergist in chemical fertilizer industry.



Item	Index
Impurity precipitating test	Acceptable
Purity %	≥ 99.5
Dry Loss %	≤ 0.30
Ash content %	≤ 0.05
Calcium content ppm	≤ 200



Molecular Formula: Na_2CO_3

CAS No: 497-19-8

HS Code: 28362000

Main Uses:

mainly used in chemical industry, glass-manufacturing, metallurgy, paper-manufacturing, textile, dyeing, synthetic detergent, soap, daily-use Chemical-industry, daily-use glass industry, washing powder, petrochemical industry etc.

Package: 25kg /bag, 40kg/bag, 50kg/bag, 500kg/bag, 1000kg/bag, bulk, or according to the negotiation with the buyers.



Item	Index
Total alkali (as Na_2CO_3 , dry basis) %	≥ 99.2
Chloride content(as $NaCl$, dry basis) %	≤ 0.70
Iron content (as Fe, dry basis) %	≤ 0.0035
Sulphate content (as SO_4 dry basis) %	≤ 0.03
water-insoluble matters %	≤ 0.03



Soda Ash Dense

Molecular Formula: Na_2CO_3

CAS No: 497-19-8

HS Code: 28362000

Main Uses:

The common industrial soda ash dense is mainly used in the following industries: float glass, flat glass, daily-use glass, detergent, chemical, daily-use chemical, dyeing, metallurgy, paper-manufacturing, textiles, petroleum, medicine and health etc.

The special industrial soda ash dense is mainly used in the manufacture of glass shell of kinescope, optical glass and glass ware etc.

Package: 25kg /bag, 40kg/ bag, 50kg/ bag, 500kg/bag, 1000kg/bag, bulk, or according to the negotiation with users.



Item	Index
Total alkali (as Na_2CO_3 , dry basis) %	≥ 99.4
Chloride content(as NaCl , dry basis) %	≤ 0.30
Iron content (as Fe, dry basis) %	≤ 0.003
Sulphate content (as SO_4 dry basis) %	≤ 0.03
Water-insoluble matter content %	≤ 0.02
Bulk density (g/mL)	≥ 0.85
Granularityc, Sieve residue %180 μm	≥ 75.0
Granularityc, Sieve residue %1.18mm	≤ 2.0



Caustic Soda Flake

Molecular Formula: NaOH

CAS No: 1310-73-2

HS Code: 28151100

Main Uses:

mainly used in paper, soap, textile, printing and dyeing, chemical fiber, pesticide, petrochemical, power and water treatment industries.



Item	Index
Appearance	White shiny solids
NaOH , %	≥ 99.0
Na_2CO_3 %	≤ 0.5
NaCl %	≤ 0.03
Fe_2O_3 %	≤ 0.005



Caustic Soda Pearl

Molecular Formula: NaOH

CAS No: 1310-73-2

HS Code: 28151100

Main Uses:

mainly used in paper, soap, textile, printing and dyeing, chemical fiber, pesticide, petrochemical, power and water treatment industries.



Item	Index
Appearance	White shiny solids
NaOH, %	≥99.0
Na ₂ CO ₃ %	≤0.5
NaCl%	≤0.03
Fe ₂ O ₃ %	≤0.005



Melamine Powder

Molecular Formula: C₃H₆N₆

CAS No: 108-78-1

HS Code: 29336100

Main Uses:

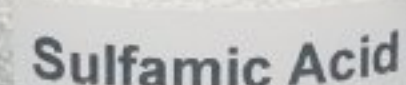
Mainly used for melamine-formaldehyde resin, paper processing agents, painting crosslinking agent, chemical antflaming processing agent etc.

Item	Index
APPEARANCE	WHITE POWDER
CONTENT(BY GC)	99.80%MIN
WATER	0.1%MAX
ASH CONTENT	0.03%MAX
TURBIDITY(Kaolin)	20MAX
COLOR(Pt-Co)	20MAX
PH	7.5-9.5

Sulfamic Acid

HS Code: 28111980

- 1), material of sweetening agent
- 2), diionic cleaning agent with the best performance
- 3), bleaching agent of pulp
- 4), vulcanizator, catalyst, disinfectant, fire retardantv
- 5), the production of dye and pigment



Item	MODLE 1	MODEL 2
Purity(NH2S03H)	≥99.8%	≥99.5%
Sulfate (SO4)	≤0.01%	≤0.05%
Iron (Fe)	≤0.0002%	≤0.0005%
Heavy metal	≤0.0003%	≤0.001%
Insoluble in water	≤0.01%	≤0.01%
Moisture	≤0.03%	≤0.05%

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