Available Chemical Products

Acids

Oxalic acid

Appearance: White Crystals

Package: 25kg net in plastic woven bags lined with plastic bags

Usages:

Metallurgy industry: As precipitating and resolving agent for rare earth metal, etc.

Organic Synthesis: For 2133 rein, ures form aldehyde powder etc.

Light industry: Polishing of DA LI stone, removing rust bleaching products of leather, wood and aluminium ect.

Printing Industry: Dyeing agent

Medicine Industry: For making tetracydine, HCl ect.

Others: As laboratory agent, solvents activato and basic materialsfor chemical industry

index	Wonderful grade	First grade	Up to grade
purity% ≥	99.6	99.4	99.0
sulphate group % ≤	0.08	0.10	0.20
ignition (850 o C) % ≤	0.08	0.10	0.20
heavy metal % ≤	0.001	0.002	0.02
Iron content % ≤	0.0012	0.002	0.01
chlorides % ≤	0.003	0.004	0.01
calcium % ≤	0.0012	/	/

Glacial acetic acid

Glacial Acetic Acid

Molecular Formula: C2H4O2 or CH3COOH

Cas No 64-19-7

Appearance: Clear, colorless liquid.

Usage: Widely used in textile industry, fiber industry, Pharmacia industry, pesticide industry, dyestuff industry, plastic industry

Item	Super	First	Qualified
Color Index	10	20	20
Acetic Acid Acidity,%≥	99.5	99	98
Water%≤	0.05	—	—
Formic Acid%≤	0.15	0.15	0.35
Aldehyde %≤	0.05	0.05	0.1
Non-volatiles%≤	0.02	0.02	0.03

Formic acid

Formula: HCOOH

CAS No: 64-18-6

Packing: 25 kgs plastic drum plastic drum, 20MT/20FCL

Usages: Formic Acid is widely used in diversified lines all over the world.

1. Pharmaceutical industry: Caffeine, Analgin, Aminopyrine, Vitamin B1, etc.
2. Pesticide industry: Triazolone, Disinfest, etc.
3. Chemical industry: Methane amide, DMF, Age resister, etc.
4. Leather industry: Tanning, etc.
5. Textile industry: Natural Rubber.
6. Rubber industry: Coagulation, etc.
7. Steel industry: Acid cleaning of steel production, etc.
8. Paper industry: Pulp manufacturing, etc.
9. Food industry: Disinfectant, etc.
10. Poultry industry: Silage, etc.

Item	Standard	Standard
CONTENT%	≥ 90.0	≥ 85.0
Chloride(Cl-)%	≤ 0.003	≤ 0.005
Sulphate (SO4 2 -)%	≤ 0.001	≤ 0.002
Iron(Fe 3+)%	≤ 0.0001	≤ 0.0005
Residue %	≤ 0.006	≤ 0.020

Copper

Copper sulfate	Copper Sulfate Pentahydrate CAS: 7758-99-8 EC No: 231-847-6 Molecular Formula: CuSO4Â·5H2O Molecular Weight: 249.6796 Appearance:Odorless, blue triclinic crystalline powder Specification: Copper Sulfate Pentahydrate 98% Industry Grade Purity: 98% min Cu: 24.5% Min Pb: 20PPM Max Fe: 0.1% Max Ni: 20PPM Max Cd: 10PPM Max As: 10PPM Max Hg: 0.1 PPM Max Water Insoluble: 0.15% Max Usage: As a material of copper salts in the chemical industry. Used in dyestuffs, as a mordant, pigment, preservative, in medicines, and pesticides. Copper Sulfate Pentahydrate 98%Min Feed Grade Specification: Purity: 98% min Cu: 25% Min Pb: 20PPM Max Fe: 0.1% Max Ni: 20PPM Max Cd: 10PPM Max As: 10PPM Max Hg: 0.1 PPM Max

	Water Insoluble: 0.05% Max Size: 1 -3mm or 1 -4mm or 2 -5mm or powder Usage: As a material of copper salts in the chemical industry. Used in dyestuffs, as a mordant, pigment, preservative, in medicines, and pesticides. Packing:25Kg in plastic woven bags with plastic lining. HS Code:2833250000
Cooper oxide	Synonyms:C.I. 77403; Copper brown; Pigment black 15 CAS No.: 1317-38-0 EINECS: 215-269-1 Molecular formula: CuO Molecular weight: 79.54 Appearance:black powde Specification: Electronic grade Purity: 98% min Insoluble in acid: 0.2%max Soluble in water:0.1% max Free moisture: 1.0% max Chlorine (Cl):0.2%max Sulphate (SO4):0.2%max Cadmium(Cd):5ppm max Lead (Pb): 100ppm max Iron (Fe):500ppm max Mercury(Hg):2ppm max Arsenic (As): 5 ppm max Chrome (Cr □):2ppm max Particles size (325 mesh): 0.3% max Industry grade Purity: 98% min Insoluble in acid: 0.2%max Soluble in water:0.1% max Chlorine (Cl):0.2%max

	Sulphate (SO4):0.2%max Particles size (100 mesh): 0.3% max Application:Mainly used for electroplating of electricity plate and the production of stainer for glass, ceramic and porcelain. Also, for the production of fireworks, dyes catalysts, lacquer based desulfurizing agent and other nantokites. Packing:25kg weaving bag with plastic liner, 20MT/20'FCL HS Code: 2825500000

Dyestuffs

Chrome oxide green

Application: Pigment, paint, glass, building ceramic colorants, Printing-ink, chrome plating, chromium metal production Fire-proof materials, etc

Packing: 25kg/bag, 23MT/20'FCL or upon your requests

Item	Chrome Oxide Green
Appearance	Light to Dark Green Powder
Purity	99.0%Min
Water soluble matter	0.40%Max
Residue on 325 mesh	0.30%Max
Moisture	0.30%Max

Carbon black

Uses: Our company manufactures the black carbon series of superior-wear resisance(N220), high-wear resistance(N330), quick-press(N550), and common(N660) of dry process and wet process, maily applied to various rubber products such as tyres, rubber overshoes, cable, seal ring, tape etc. Moreover they can be applied to such relevant industries as plastic manufacture.

Items	N220	N330	N550	N660
Iodine Absorption Number g/kg	121 +/-5	82 +/-5	43 +/-4	36 +/-4
DBP Absorption Number 10 -5 m 3 /Kg	114 +/-5	102 +/-5	121 +/-5	90 +/-5
DBP Absorption Number of Compressed Sample 10 -5 m 3 /Kg	93~107	81~95	81~95	68~82
CTAB Surface Area 10 3 m 2 /Kg	106~116	79~87	38~46	31~39
Nitrogen Surface Area 10 3 m 2 /Kg	114~124	78~88	38~46	30~40
Tint Strength	110~120	98~108	-	-
Heating Loss	3.0	2.5	2.5	1.5
Ash	0.5	0.5	0.5	0.5
Tensile Strength Map ≥	-0.8	-1.5	-3.5	-3.5
Extension% ≥	+10	-10	-10	+10
Map Modulus at 300%	-2.5 +/-1.3	-1.7 +/-1.3	-1.7 +/-1.3	-3.5 +/-1.3

Inorganic chemicals

zink sulfate

ZINC SULPHATE Monohydrate 98%min

Molecular Formula : ZnSO4.H2O

Appearance: white powder

ITEM	Tech Grade
Zn % min	35.5
Pb% max	0.002
Fe% max	0.008
Mn% max	0.01
Cd% max	0.002
As% max	---
Cu % max	0.001
Hg% max	0.0001
Water insoluble % max	0.05

Usage:It is mainly used as raw material for the production of lithophone and zinc salts.

sodium sulfate

Sodium Sulphate Anhydrous

Molecular formula:Na2SO4

Properties: white fine crystal or powder, easily soluble in water; absorb moisture; odorless, non-toxic.

Specifications:

Purity [Na2SO4 dry] %.....99.5Min

Water insoluble matter% 0.01Max

Arsenic [As] %..... 0.0002Max

Heavy metals (as Pb) %.....0.0005Max

Iron [Fe] % 0.0005Max

Chloride [CL] %.....0.001Max

Calcium [Ca] %.....0.002Max

Phosphate [PO4] %.....0.002Max

Nitrogen quantity [N] %.....0.002Max

Calcination loss%.....0.3Max

Ph:.....6-8

Usage: widely used in vinylon, sodium silicate, bleaching, glass, paper making, tanning, metal smelting, surface treatment and filler industries.

<table>
<tr><td></td><td>Packing: 25/50kgs, p.p. Woven bag. 25 MT /20`FCL.
HS CODE: 2833400000
CAS NO: 7757-82-6</td></tr>
<tr><td>sodium hydrochloride</td><td>Caustic Soda
CAS No.: 1310-73-2
Molecular formula:NaOH
Appreance: bright white Peals/Flake/Solid
<table>
<tr><td>Caustic Soda</td><td colspan="2">Standard</td></tr>
<tr><td>NaOH</td><td>99% min</td><td>96%</td></tr>
<tr><td>Na2CO3</td><td>0.90% max</td><td>1.4%max</td></tr>
<tr><td>NaCl</td><td>0.15% max</td><td>2.8%max</td></tr>
<tr><td>Fe2O3</td><td>0.007% max</td><td>0.01%max</td></tr>
<tr><td>Packing</td><td colspan="2">25kgs net bag,25 tons put in 20’FCL</td></tr>
<tr><td>Use</td><td colspan="2">mainly applied to paper making, detergent, dye, paint filling, metal smelting, glass industry, leather manufacturing, as well as energy storing and conserving materials etc.</td></tr>
</table></td></tr>
<tr><td>sodium hexametaphosphate</td><td>Sodium Hexametaphosphate Industrial Grade
Total Phosphate(P2o5)%≥----------68
Inactive Phosphate, As P 2 O 5 %≤----------7.5
Iron, As Fe %≤----------0.05
Ph Value (1% Solution) %≤----------5.8-7.3
Water Insoluble %≤----------0.05
Solubility---------- Qualified</td></tr>
</table>

	Sodium Hexametaphosphate foodl Grade Total Phosphate(P2o5)%≥----------68 Inactive Phosphate, As P 2 O 5 %≤----------7.5 Iron, As Fe %≤----------0.05 Ph Value (1% Solution) %≤----------5.8-6.5 Water Insoluble %≤----------0.06 Solubility---------- Qualified Heavy Metals, As Pb %≤----------0.001 Arsenic, As As%≤----------0.0003 Fluoride As F%≤----------0.003 APPEARANCE：White Powder PACKING:25kgs/bag,21MT/container USES: Used as a water softening agent in solution for printing, dyeing, and boiler; diffusant in papermaking; slow corrodent, floating agent, dispersing medium, high temperature agglomerant, detergent and soil Analytical Chemistry Reagent .Used as additive agent, ph adjusting agent and fermentation agent, and nourishment
quik-dissolved sodium silikate	Quik-dissloved Sodium Silicate COA NO.: 1344-09-8 Molecular formula: Na2O·mSiO2·nH2O Molecular weight: 280-350 Appearance: white power Specification:

Terms	I	II	III	IV	V
Na2O%	25.5-29.0	23.0-26.0	21.0-23.0	18.5-22.5	19.0-21.0
SiO2 %	49.0-53.0	51.0-55.5	56.0-62.0	55.0-64.0	60.0-66.5
Modules (M)	2.00±0.10	2.30±0.05	2.85±0.05	3.00±0.05	3.30±0.05
Solution velocity (S/30□)	≤60	≤80	≤180	≤240	≤240
Bulk weight (g.ml-1)	0.30-0.80	0.40-0.80	0.50-0.80	0.50-0.80	0.60-0.80
Fineness (Sieving Rate, 120 mesh) /%	≥95	≥95	≥95	≥95	≥95

Usage: it is widely used in the areas of metallurgy, electricity power, petrol-chemical industry and construction materials. The applications include amorphous refractory materials, adhesives,industry detergetn, soap manufacturing, acid-resistant cement, fast drieer and reinforcement in the areas of fine ceramic industry and precise casting industry.

Packing:In 25kg/50kg plastic woven bag with plastic liner inside;25MT/20'FCL

H.S.Code: 2839190000

potassium metasilicate

POTASSIUM METASILICATE

Type:1.6m/3.6m powder;1.6m liquid

Name	POTASSIUM METASILICATE	
Chemical Formula	K2SiO3	
appearance	White powder	
Product index	FP-	FP-
MODULUS	98%	98%
SiO2,%	0.2% max	0.2% max
K2O, %	0.1% max	0.1% max
DISSOLVED SPEED,S	1.0% max	0.1%
APPARENT DENSITY G/ML	20PPM	0.2% max
FINENESS(SIEVING RESIDUE,100 MESH)	0.2%max	0.2% max

	PACKING:25KG Polypropylene Woven bag lined with two high-pressure polythene bags;For export:25kg in three-in-one complex brown paper HS CODE: 2839900090 CAS NO.:1312-76-1

Paint & Coating

zink oxide

Chemical Formula: ZnO

Type: Industrial grade/food grade /feed grade/rubber grade

CAS No: 1314-13-2

HS Code: 28170010

Appearance: White powder

Packing: 25 kg or 50 kg PP bag(23 MT in 20 FCL)

product index	Zinc Oxide99%	Zinc Oxide 99.5%	Zinc Oxide 99.7%
Content ZnO ≥	99%	99.5%	99.7%
MnO ≤	0.001%	0.0005%	0.0004%
PbO ≤	0.15%	0.05%	0.037%
CuO ≤	0.001%	0.0005%	0.0004%
Heat Loss ≤	0.3%	0.3%	0.3%
Hcl Insoluble Matter ≤	0.01%	0.01%	0.01%
Water Soluble Matter ≤	0.1%	0.1%	0.1%
45um Sieve Residue ≤	0.15%	0.15%	0.15%

titanium dioxide

CAS No.: 13463-67-7

HS Code: 32061110

Packing: 25 kg/bag, 22MT/20'FCL

Property: Titanium dioxide pigment (TiO2) is a white powder with high opacity, brilliant whiteness, excellent covering power and resistance to colour change.

Application: Paint & coating, rubber, printing inks, plastics, rubber, paper making and leather industries etc.

Item	Content	Tint Redusing Power	Oil Absorption (g/100g)	Ph value	45um Sieve Residue	Water-soluble Matter	Volatile Matter (105D)
Titanium Dioxide Rutile	94%Min	100%Min	22Max	6.5-8.0	0.1%Max	0.3%Max	
Titanium Dioxide Anatase	98%Min	100%Min	26Max	6.5-8.0	0.1%Max	0.5% Max	0.4 Max

litophone

Lithopone 28%

Ba+SO4 (as ZnS)%(m/m) ≥----------99

Zinc (as ZnS) (m/m)%≥----------—28

Zinc Oxide %(m/m) ≤----------0.6

105ºC Volatile%(m/m)≤----------0.3

Water Soluble%(m/m) ≤----------0.4

Screen residues (63um mesh) %(m/m) ≤-----0.1

Oil absorption g/100g ≤----------14

Color Killing (Compare with standard specimen) %≥105

Lithopone 30%

Ba+SO4 (as ZnS)%(m/m) ≥----------99

Zinc (as ZnS) (m/m)%≥----------30

Zinc Oxide %(m/m) ≤----------0.3

105ºC Volatile%(m/m)≤----------0.3

Water Soluble%(m/m) ≤----------0.3

Screen residues (63um mesh) %(m/m) ≤0.1

Oil absorption g/100g ≤----------10

Color Killing (Compare with standard specimen) %≥105

Appearance: White powder

Packing: 25 kgs in net PP bag, 20MT in the 20'CL

Uses: used as a base for lake pigment and used as a inert pigment for paint, ink and cosmetics as well as in a large range of applications in plastic industry. It is used as a filler in paper, leather, and linoleum

iron oxide red

Uses: It is widely used for color in construction, coating, ink, abrasive, paper rubber & plastic.

Product	Type	Fe2O3 (%)	Oil absorption (ml/100g)	Res. on 325 mesh (%)	Water sol. Salts (%)	Moisture (%)	PH value	Tamped apparent density (g/cm3)	Particle shape	E compared with std.	Tinting strength (%)
Iron Oxide Red	Y101	≥96	15~25	≤0.3	≤0.3	≤1.0	3~7	0.7-1.1	Spherical	≤1	95~105
	110	≥96	15~25	≤0.3	≤0.3	≤1.0	3~7	0.7-1.1	Spherical	≤1	95~105
	120	≥96	15~25	≤0.3	≤0.3	≤1.0	3~7	0.7-1.1	Spherical	≤1	95~105
	130	≥96	15~25	≤0.3	≤0.3	≤1.0	3~7	0.7-1.1	Spherical	≤1	95~105
	190	≥95	15~25	≤0.5	≤0.5	≤1.0	3~7	0.7-1.1	Spherical	≤1	95~105

Other Chemical Raw Materials

paraffin wax

1.Our Product Description

Molecular Weight: 360-540

A colorless to white amorphous solid cereus. Odorless and tasteless, the relative density of 0.82 to 0.90, the temperature of 50 to 70 ° Oil 2.0%, chemically stable, soluble ether, chloroform, benzene and carbon disulfide, do not dissolve in water, ethanol and acids. As the melting point of different products will paraffin into a variety of models, such as 50, 52 and so on

2. Property:

White, odorless, tasteless, the impure Paraffin Wax is yellow. Insoluble in water, difficult of to react with Alkalies, inorganic acids and halogen. It melts when in he heat and burns and decomposition in the high temperature.

3. Application:

Used for making candle, crayon, waxed paper, hoe Polish, telecommunication apparatus and light chemistry meterial.

Refined white wax is used for high-frequency porcelain, carbon paper, stencil paper, cold cream, rouge, eyebrow pencil and other cosmetics.

Yellow wax is used for rubber, match, candle, fibreboard. Used to promte Abrasive resistance and smooth property in printing ink.

Microcrystalline wax has superfine crystal structure, can get better effect.

4. Its main type is NO. 52, 54, 56, 58, 60, 62, 64, 66, 68, 70.

	<table><tr><td>project</td><td>index</td><td>Units of measurement</td></tr><tr><td>melting point</td><td>56 -58</td><td>C</td></tr><tr><td>mechanical impurity and wate</td><td></td><td></td></tr><tr><td>kenematic viscosity</td><td></td><td>mm2/S</td></tr><tr><td>oil content</td><td>≤ 0.5</td><td>%(m/m)</td></tr><tr><td>Saybolt color</td><td>≥28</td><td>No.</td></tr><tr><td>penetration number (35 C , 100g)</td><td></td><td>1/ 10mm</td></tr><tr><td>penetration number (25 C , 100g)</td><td>≤18</td><td>1/ 10mm</td></tr><tr><td>light stability</td><td>≤4</td><td>No.</td></tr><tr><td>water-soluble acid or alkali</td><td></td><td></td></tr><tr><td>smell</td><td>≤ 2</td><td>No.</td></tr></table> Contact:dong at bailechemical.com Optional Information - Payment : TT/LC - Delivery : WITHIN 20 DAYS - Origin : China - Minimum Order : 1*20 FCL - Packaging : 25MT/20'FCL - Samples : Free
PVC resin	Properties: It is thermoplastic, insoluble in water, gasoline and ethanol, expandable or soluble in ether, ketone, fatty chlorohy-drocarbons or aromatic hydrocarbons with strong anti--corrosiveness, and good dieletric property. Features: White powder, it will appear different physical and mechanical properties after add various additives to it.

It has better quality of mechanic feature, anticorrosion, dielectric and anti-chemicals.

Quality standard: It's complied to the standard GBT5761-93

Type:	SG1	SG2	SG3	SG4	SG5	SG6	SG7	SG8
Viscosity, ml/g(or K value)	156-144 (77-75)	143-136 (74-73)	135-127 (72-71) 1350-1250	126-119 (70-69) 1250-1150	118-107 (68-66) 1100-1000	106-96 (65-63) 950-850	95-87 (62-60) 850-750	86-73 (59-55) 750-650
Number of impurity particle ≤	30	30	30	30	30	30	40	40
Volatiles content %, ≤	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
g/ml≥ Apparent density	0.42	0.42	0.42	0.42	0.42	0.45	0.45	0.45
Residual after sieve 0.25mm mesh ≤ 0.063mm l≥	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	90	90	90	90	90	90	90	90
Number of grain/400 cm 2 ≤	40	40	40	40	40	40	40	40
Plasticizer absorbency value of 100g resin	25	25	25	22	19	16	14	14
Whiteness %,≥	74	74	74	74	74	74	70	70
Water extractant solution conductivity,s/m ≤	5×10 -3	5×10 -3	5×10 -3					
Residual chlorethylene content mg/kg ≤	5	5	5	5	5	5	5	5
Ethylidene chloride mg/kg ≤	150	150	150	150	150	150	150	150

polypropylene	Properties Test Project Test Methods Unit Typical Values [1] Tensile StressGB/T1040-92 Mpa 60-100 Flexural Stress GB/T 9341-2000 Mpa 80-120 Flexural ModulusGB/T9341-2000 Mpa 4000-5500 Impact Strength GB/T1043-93 KJ/m2 ≥10 Notched Elongation At BreakGB/T1040-92% 5-20 Heat Distortion TemperatureGB/T1634-2004°C 140-160 MFR GB/T 3682-2000 g/10min 5-15 Testing Condition23±2°C, 50±5%RH [1] Typical Values are average statistics in lab for reference. They are not used as products standards. Processing Conditions Start Point Range Melt Temp 230°C 220-245°C Barrel Zone Temp. Rear 190°C 180-210°C Center 210°C 200-235°C Front 225°C 210-240°C Mold Temp. 50°C 40-70°C Processing Temp. Limit 260C Injection Speed Moderate to High Pre-Dry Requirements 80C, 2hr

	Optional Information - Payment : LC at sight or TT - Delivery : 7 days after receipt of payment - Origin : china - Minimum Order : 14mt - Packaging : 25kg/bag - Samples : Free
polyethylene	Polyethylene, abbreviation PE, ethylene by polymerization is made a thermoplastic resin. In industry, also including ethylene and small amounts of alpha olefins copolymer. Polyethylene odurless, non-toxic, feel like wax, good low temperature resistance performance (minimum using temperature can reach - 70 ~ - 100 Degrees Celsius), chemistry stability is good, they most acid-base erosion (not bear with oxidative acid), under normal temperature insoluble in general solvent, water imbibition small, electrical insulating excellent performance. Our Polyethylene species: (1) LDPE: Low density polyethylene, high pressure polyethylene (2) LLDPE: Linear low density polyethylene (3) MDPE: Medium density polyethylene, petronas resin (4) HDPE: High density polyethylene, low pressure polyethylene (5) ultra-high molecular weight polyethylene (UHMWPE) (6) modified polyethylene: CPE, crosslinked polyethylene (PEX) (7) ethylene copolymer: Ethylene propylene copolymer (- plastic), EVA, ethylene copolymer, ethylene - the world other olefins (such as essien ene concepts behind POE, ring olefins), ethylene copolymer unsaturated ester copolymer (EAA, EMAA, EEA, EMMA, EMAH), EMA.
colophony	Colophony This product natural thermoplastic resin with special physical and chemical properties. Colophony mainly used for soap industry, papermaking industry, paint coating industry,printing industry, adhesive industry. Type X WW WG N Product Index Appearance Transparent

	Color(Gardner Method)(correspond to the standard Glass Color Piece of Rosin) Slight yellow Pale yellow Yellow Deep Yellow Softening point,(R&B)0≥ 76 75 Acid Value,mgKOH/g 166 165 Alchohol insoluble Sunstance,%,max 0.03 0.03 Unsaponifiable matter,%,max 5 5 Ash Content,%,max 0.02 0.03
pentaerythritol	Pentaerythritol 95% Pentaerythritol %≥----------95% Hydroxyl %≥----------48 Ash %≤---------- 0.1% Phthalic color (Fe,Co,Cu) %≤----------1 Moisture≤----------0.3 Pentaerythritol 95% Pentaerythritol %≥----------98% Hydroxyl %≥----------49 Ash %≤---------- 0.3% Phthalic color (Fe,Co,Cu) %≤----------2 Lose On Heating %≤----------0.2 APPEARANCE：White crystal powder or particles PACKING: 25 kg in net PP bag，20MT/container USES: The manufacture of Alkyd resins, fatty acid resin, paint and coatings, etc