



# Founder

---



Expanding his vision beyond national borders, **Rahul Kumar Yadav** founded PrimeGlobe International, a global trade enterprise specializing in end-to-end Import & Export solutions.

The company is built to simplify international trade for businesses and individuals alike.

**Key Services Include:**

Comprehensive Import & Export operations

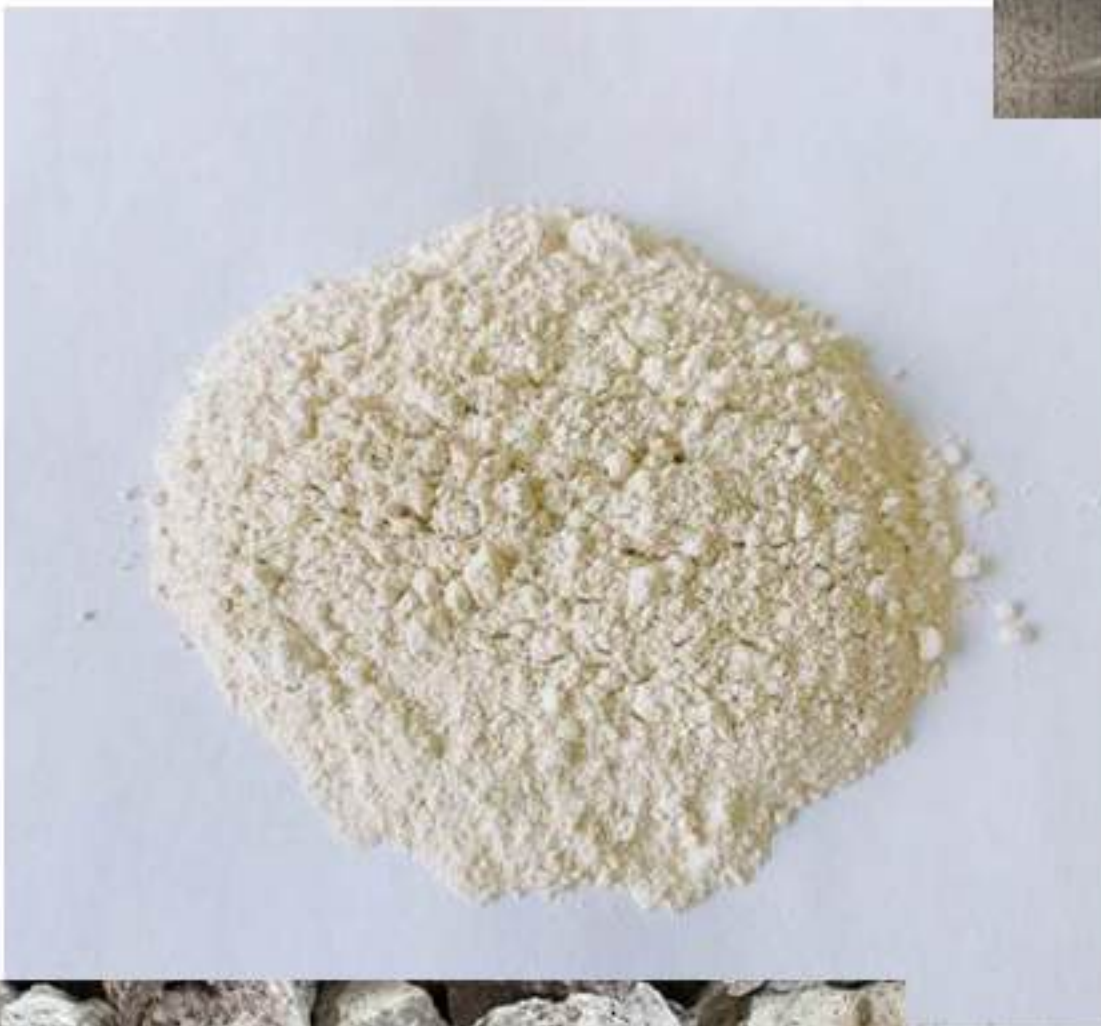
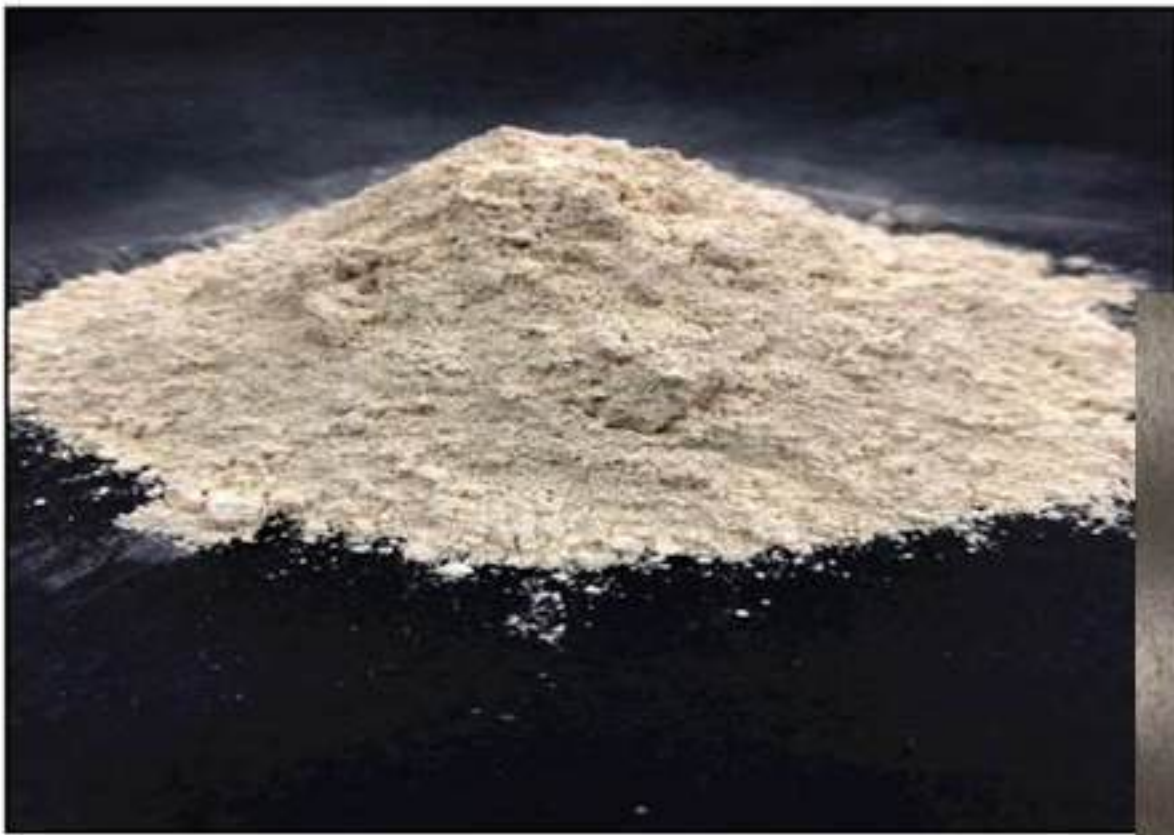
Expert logistics coordination and customs clearance





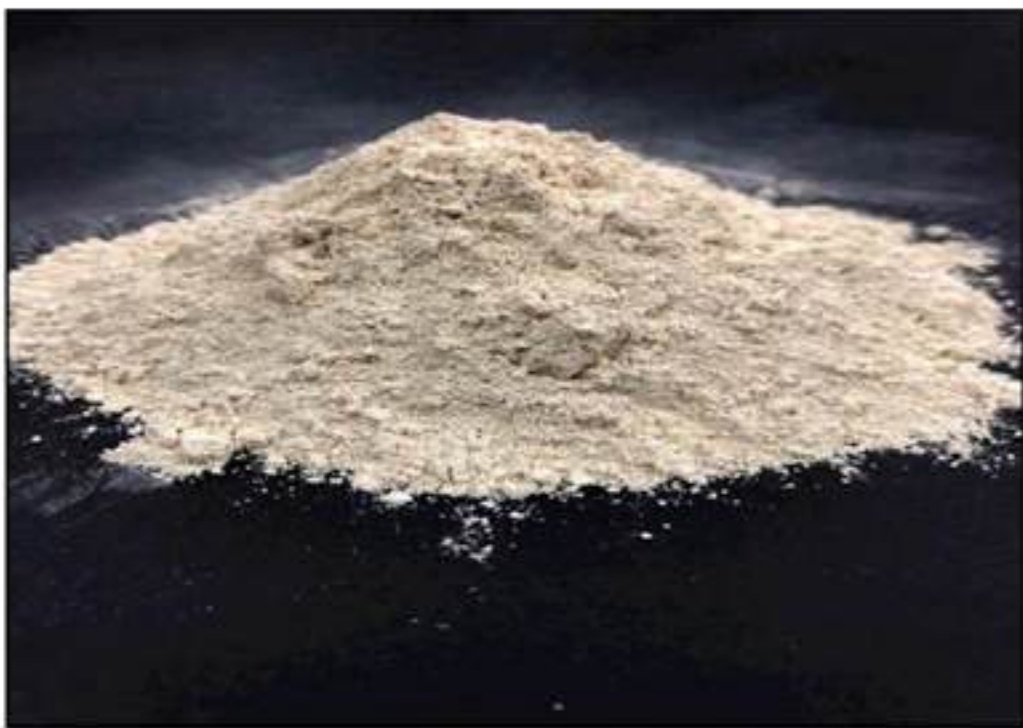
# Powder & Chemicals

---





# Powder & Chemicals



**Active  
Magnesium  
Oxide**

**Light  
Burnt  
Magnesia**



**Light  
Burnt  
Magnesia  
Ball**

**Dead  
Burnt  
Magnesium**





# Powder & Chemicals



**Fused  
Magnesium**

**Fused  
Magnesium  
skin  
sand**



**Bauxite**

**Commercial  
Aluminium  
Hydroxide**





# Powder & Chemicals



**Caustic  
Calcined  
Magnesium  
Ball**

**Magnesia  
Carbon  
Ball**



**Gunning  
Mass**

**Big  
Crystal  
Magnesia**





# Powder & Chemicals



**White  
Fused  
Alumina**

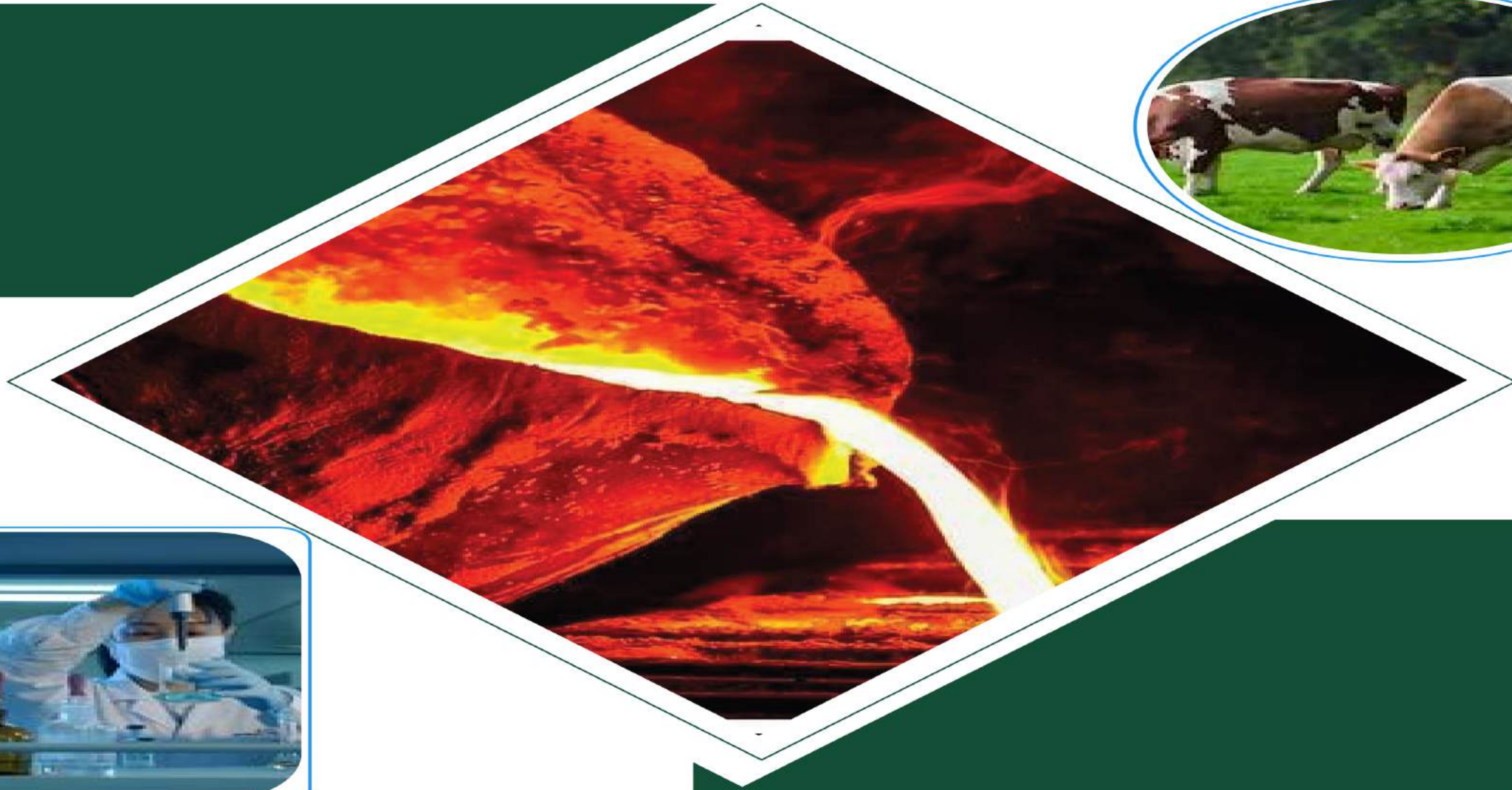
**Glass  
Beads**



For detailed information regarding the chemical composition of each powder product we deal with, please feel free to contact us directly at +91 98317 49666 or email us at [info@primeglobeintl.com](mailto:info@primeglobeintl.com)

Our team will be pleased to provide you with the necessary specifications and technical details upon request.





**10+ years only focus on professional refractory materials, fertilizer, chemical products supplying**



## Factory Kiln / Facility



## OUR STRENGTH

### ◆ Competitive Price

High quality and large production of magnesium mineral in Dashiqiao, Haicheng, Xiuyan in Liaoning Province.

### ◆ High Quality

Over 10+ years cooperation with factories, to ensure supply high quality products to customers.

### ◆ Stable Supply + Fast Delivery

Big support from cooperated factories, as we are exporting over 100,000 tons per year.

### ◆ Reliable After-sales

Dedicated after-sales team for our customers, paper work.



## STORAGE LOADING



## Caustic Calcined Magnesite -- Fertilizer Grade

Specification	MgO	SiO2	CaO	Al2O3	Fe2O3	LOI
<b>MgO 65%</b>	65.00% min.	10.00% max.	5.00% max.	1.00% max.	1.00% max.	20-25%
<b>MgO 70%</b>	70.00% min.	10.00% max.	3.00% max.	1.00% max.	1.00% max.	10-20%
<b>MgO 80%</b>	80.00% min.	10.00% max.	3.00% max.	1.00% max.	1.00% max.	4-10 %
<b>MgO 85%</b>	85.00% min.	6.00% max.	2.50% max.	0.80% max.	0.70% max.	3-6 %
<b>MgO 90%</b>	90.00% min.	4.50% max.	2.50% max.	0.80% max.	0.70% max.	1-2%
<b>MgO 92%</b>	92.00% min.	3.00% max.	2.00% max.	0.6% max.	0.5% max.	1-2%

**Size: 100 mesh,200 mesh,325 mesh passing 90% or 95% min**

◆ **Product description:**

Magnesium oxide (chemical formula: MgO) is an oxide of magnesium, an ionic compound. It is a faint yellow solid at room temperature. Magnesium oxide exists in the form of periclase in nature and is a raw material for magnesium smelting.

◆ **Application:**

The greatest use in agriculture is as a feed for fertilizers, and a major element in the metabolism of plants.

◆ **Package:** Base on customer demands



## Caustic Calcined Magnesite -- Feed Grade

Spec	MgO	SiO2	CaO	Al2O3	Fe2O3	LOI	Cd	Hg	Pb	As	F
<b>MgO 80%</b>	80% min.	10% max.	3.00% max.	1.20% max.	1.5% max.	4-9%	2ppm	0.1ppm	10ppm	20ppm	500ppm
<b>MgO 85%</b>	85% min.	6.00% max.	2.50% max.	1.20% max.	1.5% max.	3-6%	2ppm	0.1ppm	10ppm	20ppm	500ppm
<b>MgO 90%</b>	90% min.	4.50% max.	2.50% max.	1.20% max.	1.5% max.	1-2%	2ppm	0.1ppm	10ppm	20ppm	500ppm

**Size: 200 mesh, 325 mesh , 0.1-1mm,0.3-0.5mm, 0.3-1.8mm,0.3-2mm**

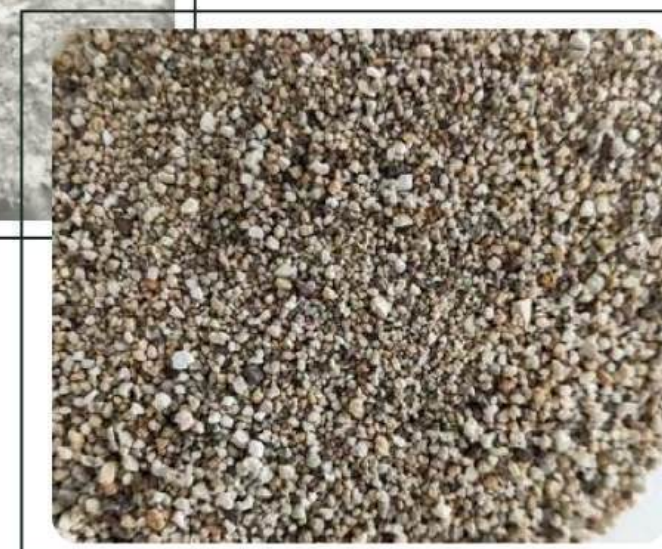
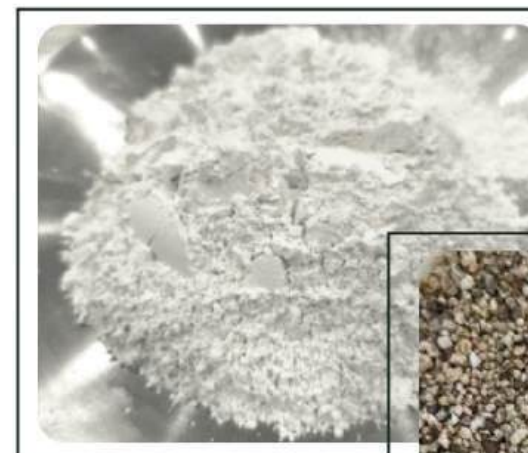
◆ **Product description:**

Magnesium oxide (chemical formula: MgO) is an oxide of magnesium, an ionic compound. It is a faint yellow solid at room temperature. Magnesium oxide exists in the form of periclase in nature and is a raw material for magnesium smelting.

◆ **Application:**

The greatest use in agriculture is as a feed for livestock, and a major element in the metabolism of animals.

◆ **Package:** Base on customer demands



## Caustic Calcined Magnesite -- Abrasive Grade

Specification	MgO	SiO <sub>2</sub>	CaO	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	LOI	activity @ CAA PH 8.6
MgO 85%	85.00% min.	6.00% max.	2.50% max.	0.70% max.	0.40% max.	3-6 %	190-220 S
MgO 88%	88.00% min.	5.00% max.	2.50% max.	0.70% max.	0.40% max.	2-4 %	160-180 S
MgO 90%	90.00% min.	4.50% max.	2.00% max.	0.60% max.	0.35% max.	1-3%	130-150 S
MgO 90% brake pad	90.00% min.	4% max	1.8% max	1.20% max.	0.5% max	1-2%	130-150 S
MgO 93%	93.00% min.	2.50% max.	1.20% max.	0.60% max.	0.5% max.	1-2%	100-120 S
MgO 93%	93.00% min.	0.80% max.	1.60% max.	0.40% max.	0.6% max.	1-2%	100-120 S

**Size: 200 mesh or 325 mesh passing 90 or 95%**

◆ **Product description:**

Magnesium oxide (chemical formula: MgO) is an oxide of magnesium, an ionic compound. It is a white solid at room temperature. Magnesium oxide exists in the form of periclase in nature and is a raw material for magnesium smelting.

◆ **Application:** Emery stone, soral cement, mgo board.

◆ **Package:** Base on customer demands



## Caustic Calcined Magnesite -- Suspended Kiln materials

Specification	MgO	SiO2	CaO	Al2O3	Fe2O3	LOI	Size	Activity @ CAA PH 8.6
MgO 92%	92.00% min.	4.00% max.	2.00% max.	0.80% max.	1% max.	3 % max	200 mesh	45-65 S
MgO 95%	95.00% min.	0.50% max.	1.50% max.	0.50% max.	0.80% max.	2 % max	200 mesh	30-40 S
MgO 95%	95.00% min.	0.50% max.	1.50% max.	0.20% max.	0.80% max.	2 % max	325 mesh	20-25 S

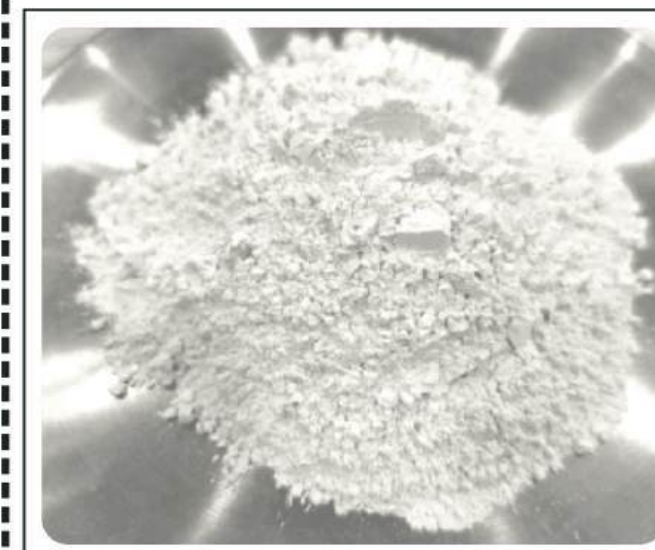
### ◆ Product description:

Magnesium oxide (chemical formula: MgO) is an oxide of magnesium, an ionic compound. It is a faint yellow solid at room temperature. Magnesium oxide exists in the form of periclase in nature and is a raw material for magnesium smelting.

1. ◆ Application: CCM Suspended Kiln materials, desulfuration, chemical , refractory lines, FMLC raw materials

2. ◆ Application: Ammonium sulfate is an excellent nitrogen fertilizer (commonly known as fertilizer powder), suitable for general soil and crops

◆ Package: Base on customer demands



### Ammonium Sulphate



(NH4)2SO4	Ammonium Sulphate Crystal	Ammonium Sulphate Granule
N % min	20.5	20.5
S % min	23.5	23.5
H2O % max	1	1
H2SO4 % max	0.3	0.3

## Magnesium Sulphate Monohydrate

Fertilizer Grade	T-MgO (%min)	W-MgO(%min)	Moisture (%max)	Cl (%max)	As(mg/kg max)	Pb(mg/kg max)
A	26	25	5	2.5	50	200
B	26	23				
C	26	20				
Size: 2-4, 3-5 mm						
Feed Grade	Mg(%min)	Cl(%max)	As (mg/kg max)	Pb(mg/kg)		
A	16.5	0.014	2	10max		
B	16	0.014	2	10max		
C	15	0.014	2	10max		
Size: 60/80/100 Mesh						



### ◆ Description

**Magnesium Sulphate Monohydrate:** Fertilizer grade, not only can be used directly, but also can be used as composition of compound fertilizer. Supply magnesium sulphate for animal feed purpose.

**Magnesium Sulphate Heptahydrate:** is an important inorganic raw material.

## Magnesium Sulphate Heptahydrate

Spec	Mg(%min)	Purity(%min)	Cl(%max)	As(mg/kg)	Pb(mg/kg)	Size
A	9.8	99.5	0.5	2max	10max	0.1-1mm,
B	9.6	99.8				2-4mm
C	9.4	96				



## DBM (Dead Burnt Magnesite)

Spec	MgO	CaO	SiO2	Fe2O3	Al2O3	B.D	LOI
DBM 85	85% min	3.00% max.	8.50% max.	2.50% max.	2.50% max.	2.9g/cm3	1.5% max
DBM 90	90% min.	2.50% max.	5.50% max.	1.5% max.	1.50% max.	3.0g/cm3	1% max
DBM 92	92% min	2.5% max	4.5% max	1.3% max.	1.5% max.	3.15g/cm3	1% max
DBM 95	95% min	1.6% max	2.0% max	1.0% max	1.0% max	3.25g/cm3	0.30% max
DBM 97	97% min	1.50% max.	0.65% max.	0.9% max.	0.3% max.	3.28g/cm3	0.25% max.
DBM 97.5	97.5% min	1.3% max.	0.6% max	0.9% max	0.3% max.	3.28-3.3g/cm3	0.2% max.
DBM 98	98% min	1% max	0.5% max	0.9% max	0.3% max	3.33g/cm3	0.2% max

◆ Product description:

Dead Burnt Magnesite, also known as sintered magnesia. Mainly used to make basic refractory materials, such as magnesium bricks, magnesium aluminum bricks, containing impurities for laying steel furnace bottom.

◆ Application: Used in magnesium bricks, magnesium aluminum bricks, magnesium chromium bricks, spray feeding, casting, dry materials, coatings, furnace replenishment, asphalt, casting, fireproof and insulation materials, flux auxiliary materials, electrical steelmaking furnaces, heating furnaces , rotary furnace, steelmaking, electric furnace bottom and ramming furnace lining.

◆ Package: Base on customer demands



## Magnesite Briquette

MgO	LOI	Bulk density g/cm <sup>3</sup>	Residual moisture	Size mm
75%±1%	15%(max)	1.8-2.0	1%(max)	30-60mm
72%±2%	25%(max)	1.8-2.0	2%(max)	30-60mm
65%±1%	30%±2%(max)	1.8-2.0	3%(max)	30-60mm
60%±1%	35%±2%(max)	1.8-2.0	4%(max)	30-60mm



◆ Application: Magnesite Briquette are used as slag protection component modifiers in converter steelmaking, which can improve the viscosity and refractoriness of slag.



## FMLC + FM Normal (Fused Magnesite Large Crystal)

Spec	MgO	SiO2	CaO	Al2O3	Fe2O3	LOI	B.D.
FMLC 97	97% min	0.85 max	1.5 max	0.3 max	0.75 max	0.3 max	3.45g/cm3
FMLC 97.5	97.5% min	0.8 max	1.3 max	0.2 max	0.65 max	0.2 max	3.48g/cm3
FMLC 98	98% min	0.7 max	1.2 max	0.15 max	0.6 max	0.15 max	3.5g/cm3
FM Normal 96	96% min	1.6% max	1.5% max	0.2%max	0.9% max	0.25%max	3.45g/cm3
FM Normal 97	97 % min	1.1 max	1.1 max	0.2 max	0.9 max	0.2 max	3.48 g/cm3
FM Normal 97.5	97.5% min	0.9 max	1 max	0.2 max	0.8max	0.15 max	3.5 g/cm3

◆ **Product description:**

Large crystal fused magnesia is fused by electric arc furnace to finish. It has the features such as high purity, dense crystal, good resistance to slag erosion, good thermal shock stability etc.

◆ **Application:**

It is main raw material for manufacturing magnesia or magnesia-carbon brick refractories.

◆ **Package:** Base on customer demands



## FM (Fused Magnesite) -- Ratio 2

Spec	MgO	SiO <sub>2</sub>	CaO	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	LOI	B.D.
FM 96	96% min	0.85% max	1.7% max	0.2% max	0.8% max	0.25% max	3.37g/cm <sup>3</sup>
FM 97	97% min	0.8 max	1.6 max	0.2 max	0.8 max	0.2 max	3.48 g/cm <sup>3</sup>
FM 97.5	97.5% min	0.7 max	1.4 max	0.2 max	0.7 max	0.15 max	3.5 g/cm <sup>3</sup>
FM 98	98% min	0.6 max	1.3 max	0.15 max	0.65 max	0.15 max	3.5 g/cm <sup>3</sup>

## FM (Fused Magnesite) Skin

Spec	MgO	SiO <sub>2</sub>	CaO	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	LOI	B.D.
PS93 Brown	93% min	3 max	2.5 max	0.3 max	1 max	1 max	2.8g/cm <sup>3</sup>
PS95 Brown	95% min	2 max	2 max	0.3 max	0.9 max	1 max	3g/cm <sup>3</sup>
PS95 LC	95% min	2.5 max	2.5 max	0.2 max	1 max	1 max	3g/cm <sup>3</sup>

- ◆ Application: FM Ratio 2 -- C:S=2:1, it is raw material of Magnesia Carbon Brick, widely used in the smelting processes, steelmaking furnace
- ◆ Application: The main application of fused magnesia skin: electrical ceramics, refractory materials.



# PRODUCT CENTER

## Calcium Aluminate

Calcium Aluminate	Test Result
Al <sub>2</sub> O <sub>3</sub>	39.66%
CaO	49.12%
SiO <sub>2</sub>	1.98%
TiO <sub>2</sub>	0.18%
Fe <sub>2</sub> O <sub>3</sub>	0.91%
MgO	1.8%



1. ♦ Application: Calcium aluminate, in the field of metallurgy, calcium aluminate refining slag is an excellent flux that can be used in the smelting of metals such as aluminum and magnesium. It can also be used as a slag-forming agent in the steelmaking process to help deoxidize and desulfurize, reducing the content of harmful elements and impurities in steel. It is suitable for plain carbon steel, high carbon steel, and high and low alloy steel.

2. ♦ Application: Wollastonite, it is used as raw material or filler for papermaking, ceramics, cement, rubber, plastics, etc., and as a flux in the metallurgical industry, mainly in the smelting of molten iron in blast furnaces and manganese alloys.

## Wollastonite

Item	Spec	Test Result
SiO <sub>2</sub>	49.5-53.5%	51.12%
CaO	42.5-46.5%	43.06%
MgO	MAX3%	1.58%
Al <sub>2</sub> O <sub>3</sub>	MAX1.5%	1.06%
Fe <sub>2</sub> O <sub>3</sub>	MAX1%	0.54%
MnO	MAX0.2%	0.096%
P <sub>2</sub> O <sub>5</sub>	MAX0.5%	0.083%
Moisture	MAX0.5%	0.08%
LOI	MAX3%	2%
UBD		0.96

## Fused Magnesia Chrome Material

Spec	Cr2O3	MgO	SiO2	CaO	Fe2O3	Al2O3	Size	B.D g/cm3
FMCR 14-16%	14-16%	≥65%	≤1.0%	≤1.0%	≤12%	≤8.0%	0-60mm	≥3.65
FMCR 16-18%	16-18%	≥60%	≤1.0%	≤1.0%	≤10%	≤7.0%	0-60mm	≥3.65
FMCR 18-20%	18-20%	≥58%	≤1.0%	≤1.2%	≤9.0%	≤8.0%	0-60mm	≥3.68
FMCR 20%	≥20%	≥60%	≤1.0%	≤1.0%	≤1.0%	≤6.0%	0-60mm	≥3.70
FMCR 48-49%	48-49%	48-49%	≤1.0%	≤1.0%	≤1.0%	≤1.0%	0-60mm	≥3.70
FMCR 80%	77-83%	17-23%	≤1.0%	≤1.0%	≤1.0%	≤1.0%	0-1/1-3mm	≥3.70
Spec	Cr2O3	MgO	SiO2	CaO	LOI	Al2O3	Size	B.D (g/cm3)
FMCR SKIN	16%min	52%min	2.0%max	2.0%max	1.0%max	8.0%max	0-50 mm	≥3.45

## Fused Magnesia Alumina Chrome Material

Spec	Cr2O3	MgO	SiO2	CaO	Fe2O3	Al2O3	Size
FMAC-85%	83-86%	4-6%	≤1.0%	≤1.0%	≤1.0%	4-6%	1-3mm
FMAC-75%	75-78%	12-14%	≤1.0%	≤1.0%	≤1.0%	6-9%	1-3mm
FMAC-60%	60-62%	16-18%	≤1.0%	≤1.0%	≤1.0%	12-15%	1-3mm



- ◆ Application: Fused Magnesia Chrome Material, the materials are mainly used in high power and ultra-high power electrical furnaces refining furnace.rotation kiln in cement industry and so on
- ◆ Application: Fused Magnesia Alumina Chrome Material, its mainly applied to metallurgy, chemical industry and etc.

## High Iron High Calcium Magnesite

Spec	CaO	Fe <sub>2</sub> O <sub>3</sub>	MgO	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	LOI	B.D.
High Calcium Magnesia	20-25	≤2.5	73-78	≤0.5	≤1.2	≤0.5	≥3.25
	25-30	≤2.5	68-73	≤0.5	≤1.2	≤0.5	≥3.25
	30-35	≤2.5	63-68	≤0.5	≤1.2	≤0.5	≥3.25
High Iron High Calcium Magnesite	7-9	5-7	83-88	≤0.7	≤1.2	≤0.3	≥3.2
	9-12	3-4	83-88	≤0.7	≤1.2	≤0.3	≥3.2
Olivine Powder		≤9.0	40-42		42-44	≤4.5	
		≤9.0	42-45		40-42	≤3.5	

◆ Application:

*High Calcium Magnesia:* Used for manufacturing magnesium calcium bricks

*High Iron High Calcium Magnesite:* The main uses include manufacturing refractory materials and serving as raw materials for steelmaking, ramming mass.

*Olivine Powder* is widely used in fields such as ceramics, glass, and building materials

◆Package: Base on customer demands



## Brown Fused Alumina

Item	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	MgO+CaO	Carbon	B.D	Magnetized material	Moisture Content
Technical Parameter	≥95.00%	≤0.20%	≤1.00%	≤3.00%	≤0.80%	≤0.04%	≥3.85g/cm <sup>3</sup>	≤0.02%	≤0.50%
	≥90.00%	≤1.0%	≤1.45%	≤3.00%	≤0.80%	LOI≤0.2%			
Particle Size	0-1mm, 1-3mm, 3-5mm, 5-8mm, 8-12mm, 8-15mm, 0-50mm, 0-30mm, 0-25mm, 0-20mm, 0-18mm, 0-15mm								
Powder	150#-0, 180#-0, 200#-0, 240#-0, 280#-0, 325#-0								

## White Fused Alumina + Tabular Fused Alumina

Spec	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	CaO	Fe <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	L.O.I	B.D
White fused Alumina	99.2% min	0.2% max	0.1% max	0.1% max	0.4% max	0.5% max	3.5 min
White fused Alumina DC Fines	98.12%	0.38%	/	0.39%	0.65%	0.21%	1.25g/cm <sup>3</sup>
Tabular fused Alumina	99.2% min	0.1% max	0.1% max	0.03% max	0.4% max	0.5% max	3.5 min
Size	0-1mm, 1-3mm, 3-5mm, 5-8mm, 200mesh, 325 mesh and abrasive grade 36#-180#						

- ◆ Application: *Refractory materials*: Brown Fused Alumina is widely used in the manufacture of high-grade refractory bricks, casting materials, etc.
- ◆ Application: White fused alumina widely used in the manufacture of hard alloys, abrasives, wear-resistant materials, high-temperature insulation materials, etc. WFA DC Fines: Grinding and Polishing, Refractory Material, Coated Abrasive Tool, etc. Tabular fused Alumina: can be used to manufacture catalyst supports, refractory materials, etc



## RKB (Rotary Kiln Bauxite)

Spec	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	Bulk Density (g/ccm)	CaO+Mgo	K <sub>2</sub> O +Na <sub>2</sub> O	LOI	Water Absorption	Refractoriness
RKB 90	≥90	≤1.5	≤4	≤4	≥3.2	≤0.4	≤0.25	≤0.1		
RKB 88	≥88	≤1.5	≤6	≤4	≥3.15	≤0.4	≤0.4	≤0.1	≤4	> 1790
RKB 87	≥87	≤1.8	≤7	≤4	≥3.15	≤0.4	≤0.25	≤0.1		
RKB 86	≥86	≤1.8	≤8	≤4	≥3.10	≤0.4	≤0.25	≤0.1		
RKB 85	≥85	≤1.8	≤9	≤4	≥3.10	≤0.4	≤0.4	≤0.1	≤4	> 1790
RKB 83	≥83	≤2.0	≤11	≤4	≥3.00	≤0.4	≤0.25	≤0.1		
RKB 82	≥82	≤2.0	≤12	≤4	≥2.90	≤0.4	≤0.25	≤0.1		
RKB 80	≥80	≤2.0	≤14	≤4	≥2.90	≤0.4	≤0.5	≤0.1	≤5	

◆ **Product description:**

Rotary Kiln Bauxite is a mineral containing elements such as aluminum, silicon, and oxygen, widely used in fields such as aluminum, ceramics, construction, and chemicals

◆ **Application:**

Can be used for producing aluminum metal Aluminum metal is widely used in modern industry, such as automobile manufacturing.

◆ **Package:** Base on customer demands



## Ferro Silicon

Spec	Si	Al	C	S	P
Fesi 45	45% Min.	3.50% Max	0.35% Max	0.05% Max	0.05% Max
Fesi 63	63% Min.	3.50% Max	0.35% Max	0.05% Max	0.05% Max
Fesi 65	65% Min.	3.50% Max	0.35% Max	0.05% Max	0.05% Max
Fesi 70	70% Min.	3.50% Max	0.35% Max	0.05% Max	0.05% Max
Fesi 72	72% Min.	3.50% Max	0.35% Max	0.05% Max	0.05% Max
Fesi 75	75% Min.	3.50% Max	0.35% Max	0.05% Max	0.05% Max
<b>Size: 10-50mm, 10-60mm, 10-100mm, 50-100mm</b>					



1. ♦ Application: Ferro Silicon, steelmaking, Casting, Silicon – rich alloy production
2. ♦ Application: Gunning (coating) mix for tundish: Easy to coat, non-collapse, non-cracking, good corrosion resistance, longer service life, and easy to disintegrate and no sticking. MgO – CaO coating mix would improve the purity of the molten steel.

### Gunning (coating) mix for tundish

Spec	MgO %≥	CaO %≥	Bulk density (g/cm <sup>3</sup> )		C.C.S (MPa) ≥		Linear expansion rate%		Size (mm)
			100°Cx24hr	1500°Cx3hr	100°Cx24hr	1500°Cx3hr	100°Cx24hr	1500°Cx3hr	
1	88	-	1.8~2.0	2.0~2.1	4	6	0~0.3	-0.5~2.0	0~3
2	75	13	1.8~2.0	2.0~2.1	4	6	0~0.3	-0.5~2.0	0~4

## ELECTRICAL GRADE MAGNESIUM OXIDE POWDER

Spec (Powder)	Physical Analysis			Chemical Analysis				
	Powder	velocity of flow	B.D	MgO	CaO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>
high temperature	40-325	36±2	2.30±0.03	≥97	≤1.5	≤0.3	≤1.5	≤0.3
Medium high								
Medium	40-325	36±2	2.28±0.03	≥95	≤1.3	≤0.5	≤2.0	≤0.5
Medium low	40-325	37±2	2.28±0.03					
Low								
Regular	40-325	38±2	2.28±0.03	≥95	≤1.3	≤0.5	≤2.0	≤0.5
Aluminum tube	40-325	38±2	2.28±0.03					



### Polishing powder series: Boron Carbide Powder

Item	Index
B <sub>4</sub> C	96.39
Total B	77.64
Compound B	77.31
Free B	0.33
B <sub>2</sub> O <sub>3</sub>	0.31
Total C	20.5
Compound C: 19.08; Free C: 1.42; Fe: 0.38; Si: 0.17	

- ◆ Application: Electrical grade magnesium oxide powder is mainly used in the manufacture of insulation materials, refractory materials, electronic components, coatings, ceramics, and glass.
- ◆ Application: Polishing powder series: Boron Carbide Powder, in the refractory industry as an antioxidant, filler is widely used in magnesium carbon brick, iron hook castable and other main materials. Used as grinding and polishing material, water cutting abrasive and diamond abrasive correction material.

## Sodium Silicate -- Industrial Solids, Instant Powder

Industrial Solids	S-35 (3.41-3.7 Modulus)			S-33 (3.11-3.4 M)			S-28 (2.65-3.1 M)			S-25 (2.2-2.64 M)		
	Superior	First	Qualified	Superior	First	Qualified	Superior	First	Qualified	Superior	First	Qualified
Soluble solid, W/% $\geq$	99.0	98.0	97.0	99.0	98.0	97.0	99.0	98.0	97.0	99.0	98.0	97.0
Fe % $\leq$	0.015	0.10	--	0.015	0.10	--	0.015	0.10	--	0.015	0.10	--
Al <sub>2</sub> O <sub>3</sub> W/% $\leq$	0.1	0.3	--	0.1	0.3	--	0.1	0.3	--	0.1	0.3	--



Instant Powder	I	II	III	IV	V
Modulus	2.00 $\pm$ 0.10	2.30 $\pm$ 0.10	2.85 $\pm$ 0.10	3.00 $\pm$ 0.10	3.30 $\pm$ 0.10
Na <sub>2</sub> O%	25.0~28.0	23.0~26.0	20.0~23.0	19.0~22.0	18.0~21.0
SiO <sub>2</sub> %	48.0~54.0	51.0~58.0	55.0~64.0	55.0~64.0	56.0~65.0
Speed of dissolution/s	$\leq$ 180	$\leq$ 200			
B.D, g/ml	0.35~0.80	0.50~0.80			
Whiteness $\geq$	85	--			
LOI/% $\leq$ 25; Fe%:0.15; Residue (150 um)/% $\leq$ 5					

- ◆ HS Code: 2839191000
- ◆ CAS No.: 1344-09-8
- ◆ Application: Metallurgical industry (amorphous refractory binder, furnace gunning binder, sand mold binder in casting industry), chemical industry, light industry, daily chemical industry, construction industry, petroleum industry
- ◆ Package: Base on customer demands



## SHMP 68% -- Sodium Hexa Meta Phosphate

Name: SHMP 68%		
Test Item	Standard Values	Analysis Results
Total Phosphate(based on P2O5) %≥	68	68.25
Inactive Phosphate (based on P2O5) %≤	7.5	6.9
Insoluble Matter in Water %≤	0.05	0.03
PH	5.8-7.3	6.2
Fe %≤	0.05	0.03
Solubility	ok	ok
Average Degree of Polymerization	10-16	12

1. ♦ HS Code: 2835391900  
 ♦ CAS No.: 10124-56-8  
 ♦ Description: SHMP 68%, White powder, it is possible to form solvent compound with metallic ions such as Ca, Ba, Mg, Cu and Fe; it is a fine agent for water treatment. Mainly used in the industrial industries.
2. ♦ HS Code: 29309099  
 ♦ CAS No.: 624-92-0  
 ♦ Description: Dimethyl disulfide , catalysts and additives: In the petroleum industry, dimethyl disulfide is commonly used as a sulfurization



## DMDS -- Dimethyl Disulfide

Item	Spec	Test Result
Purity	≥99.5%	99.9566%
S content	68%	>69%
Methanethiol	0.01%	0.0118
Specific gravity (20/4°C)	1.062	1.062
Water	≤300	185
Refractive index	1.526(20 °C ), 1.508( 30°C)	OK
Relative density	1.064	OK
Solubility	Insoluble in water, miscible in alcohol, ether	0.05
Dimethyl sulfide	≤0.05	/
Dimethyl polysulfide	≤0.05	0.0126
Molecular weight	94.2	OK

## Sodium Tetraborate (Borax Decahydrate) 95%

Test Item	Standard Values	Analysis Results
Main content (Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> ·10H <sub>2</sub> O) %	≥95	95.26
Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> ) %	≤0.2	0.18
Water insoluble matter %	≤0.04	0.024
Sulfate (SO <sub>4</sub> ) %	≤0.2	0.15
Chloride (Cl) %	≤0.05	0.045
Sodium Oxide (Na <sub>2</sub> O) %	≥15	15
Boron Oxide (B <sub>2</sub> O <sub>3</sub> ) %	≥36	36
Iron (Fe) %	≤0.005	0.0045
Size	40-60 Mesh	



1. ♦ HS Code: 28401900  
 ♦ CAS No.: 1303-96-4  
 ♦ Application: Sodium Tetraborate (Borax Decahydrate) 95%, used as raw material for vulcanizator, catalyst, disinfectant, fire retardant; Used as raw material for the production of dye and pigment; Used as raw material for Electroplating additive.

2. ♦ HS Code: 2810002000  
 ♦ CAS No.: 10043-35-3  
 ♦ Application: Boric Acid 99.9%, used as an antiseptic, insecticide, flame retardant, neutron absorber, or precursor to other chemical compounds.

## Boric Acid 99.9%

Item	Index
H <sub>3</sub> BO <sub>3</sub> w/% ≥	99.9
Water insoluble substances w/% ≤	0.005
SO <sub>4</sub> /(mg/kg) ≤	3
F/(mg/kg) ≤	2
Cl/(mg/kg) ≤	1
PO <sub>4</sub> /(mg/kg) ≤	10
Na/(mg/kg) ≤	10
Fe/(mg/kg) ≤	2
Ca/(mg/kg) ≤	10
Mg/(mg/kg) ≤	10
Al/(mg/kg) ≤	5
SiO <sub>2</sub> /(mg/kg) ≤	10
As/(mg/kg) ≤	2
Pb/(mg/kg) ≤	2
10B/11B abundance ratio ≥	0.244

# OTHER PRODUCTS



**KAOLIN**



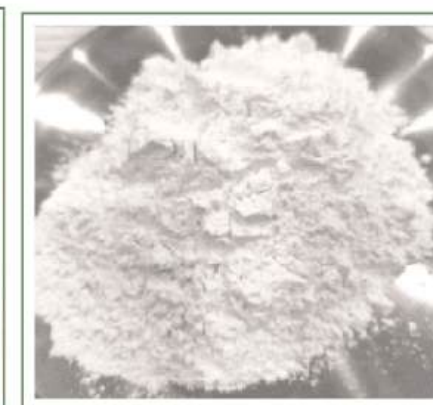
**Brucite**



**Potassium  
Feldspar**



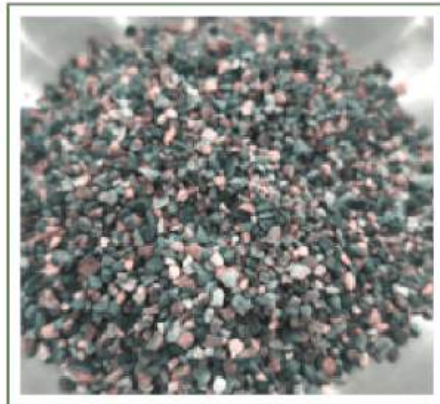
**Fireclay**



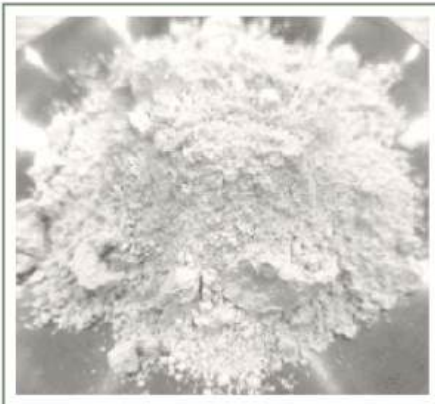
**TALC**



**Silicon Carbide**



**Rotary Mullite**



**Cordierite**



**Mag-Carbon  
Briquette**



**Adipic Acid**



**MgCl<sub>2</sub> 6H<sub>2</sub>O**



**Magnesium  
Hydroxide**



**Molecular  
Sieve**



**Fiberglass Cloth**



**MgSO<sub>4</sub>**



**Humic Acids**



**Metal Silicon**



**NPK**









## Corporate Office

 32D Nepal Bhattacharjee 1st Lane  
Near Rashbehari Crossing Shitla Mandir  
Kolkata 700026

 +91 98317-49666

 [info@primeglobeintl.com](mailto:info@primeglobeintl.com)

 <https://primeglobeintl.com>

## Branch

No.5-4308, Xingguangyao  
Square,  
Changjiang Dong Road  
zhongshan  
District Dalian City, China

