

A UNIT OF BALAJI GROUP

MINE OWNERS AND PROCESSORS OF INDUSTRIAL MINERALS



SHRI BALAJI MINERALS

**QUALITY WITHOUT COMPROMISE,
THAT'S OUR PROMISE.**

SINCE 1979

ABOUT US

Under the umbrella of the **BALAJI GROUP**, the company **SHRI BALAJI MINERALS** has established itself as a leading pioneer in the mining of industrial minerals since its inception 40 years ago.

With a unique and innovative raw mineral portfolio, which includes products such as Garnet Sand, Hematite Powder, Silica Sand, Micaceous Iron Oxide Powder and Silica Acidic Ramming Mass, **SHRI BALAJI MINERALS** has redefined quality and performance standards with award winning consistency and effectual results.

Having strong footholds in the industrial hubs of India, Qatar, Philippines, Kuwait, Iraq, Malaysia and the UAE has helped us with maintaining global standards and strategic partnerships and alliances to support an extensive sales and distribution network, while establishing a strong market presence across the world.



**QUALITY IS NEVER
AN ACCIDENT. IT'S
ALWAYS THE
RESULT OF
INTELLIGENT
EFFORT.**



WHERE WE'RE AT TODAY

We are proud owners of various mines allocated for the extraction of raw minerals in India, and possess state of the art manufacturing and processing units for high quality finished products. With a diversified sales task force designed to passionately market and distribute a unique and innovative portfolio, we have made a name for ourselves in the industry.

We pride ourselves on offering the largest reliable distribution network across our partner countries, and provide the local support and flexibility needed to service our client's growing needs, as well as the resources to cover even our smaller orders. This is all done to create trustworthy and reliable trade relations and continuous growth for all our partners.

WHERE WE'RE GOING

Our mission is to retain our market leadership in the field and direct all our energies toward this goal. We are driven by innovative & collaborative business processes, and believe in continuous development and forward thinking in all aspects of our business through competitive pricing, quality products and maintaining a high ethical standard.

SILICA SAND



DESCRIPTION

Balaji™ Silica Sand is an optimum quality dust-free Silica Sand which is processed using the best grade of quartzite based silica rock. We use advanced formulation techniques into our own processing facilities in compliance with the highest set industry standards.

INDUSTRIAL USES

Silica Sand is used in the ceramic manufacturing industry, the glass manufacturing industry, in paper mills, in the chemical industry, in solvent plants, in Iron and Steel casting units, in power plants and in F.B.C boiler based industries. It is also used for water filtration and as decorative media in various grounds and historical places.

INFORMATION

PRODUCT CODE:
BALAJI SILICA
SAND

PACKAGING
DETAILS:
50 KG HDPE BAGS
1 MT JUMBO BAGS

PORT OF
DISPATCH:
MUNDRA, INDIA

MSDS REPORT
AVAILABLE ON
REQUEST.

SILICA SAND



CHARACTERISTIC

Product : Silica Sand.

Size : 1.00-2.00mm (12-18 Mesh), 1.00-1.50mm (16-25 Mesh), 0.50-1.50mm (20-30 Mesh), 0.25-0.70mm (24-60 Mesh), 0.17-0.50mm (30-80 Mesh), 0.14-0.29mm (50-100 Mesh).

Used For : Ceramic, Glass, Solvent Plants, Foundries, F.B.C Boiler Based Industries etc.

CHEMICAL COMPOSITION

SiO ₂	99% Min.
Al ₂ O ₃	0.250% Max.
Fe ₂ O ₃	0.05% Max.
MgO	0.037% Max.

PHYSICAL PROPERTIES

Color	White & Pink
Bulk Density	2.50 gm/cm ³
Hardness	7.0 MOH Approx.
Melting Point	1300-1400° C
Grain Shape	Se Semi Angular

GARNET SAND



DESCRIPTION

Balaji™ Garnet Abrasive Sand is one of the most superior products to come from superior garnet-bearing sands in North India. Through a unique geological history of erosion and deposition, these river sands contain the highest quality of garnet found anywhere around the world, available in various grade sizes.

INDUSTRIAL USES

Garnet Sand has multiple industrial applications, such as sand blasting, for water jet cutting, in water filtration plants, as sandpaper for finishing bare wood and in the petrochemical industry.

INFORMATION

PRODUCT CODE:
BALAJI GARNET
SAND

PACKAGING
DETAILS:
1 MT JUMBO BAGS

PORT OF
DISPATCH:
MUNDRA, INDIA

MSDS REPORT
AVAILABLE ON
REQUEST.

GARNET SAND



CHARACTERISTIC

Product : Garnet Abrasive Sand.

Size : 20/40, 30/60 & 80/120.

Used For: Sand Blasting, Water Jet Cutting etc.

CHEMICAL COMPOSITION

SiO ₂	36-38%
Al ₂ O ₃	20-22%
Fe ₂ O ₃	31-33%
MgO	6-8%
MnU	0.53%
CaO	1-1.5%
TiO ₂	0.3-0.7%

PHYSICAL PROPERTIES

Chloride (Cl)	25 ppm
Electrical Conductivity	45 ms/cm
Specific Gravity	4.10
Color	Ruby Red
Bulk Density	2.40 gm/cm ³
Hardness	7.8 MOH Approx.
Melting Point	1300-1400° C
Grain Shape	Semi Angular

SIEVE ANALYSIS

20-40 Mesh	30-60 Mesh	80-120 Mesh
+20 Mesh: 5% Max.	+30 Mesh: 5% Max.	+80 Mesh: 5% Max.
-40 Mesh: 5% Max.	-60 Mesh: 5% Max.	-120 Mesh: 5% Max.

MICACEOUS IRON OXIDE POWDER



DESCRIPTION

Balaji™ Micaceous Iron Oxide Powder is used for the manufacturing of cutting electrodes and has many distinct features like reflecting UV light, resistance of chemicals, long shelf life, high purity standards and an accurate composition and quality we have maintained since our inception.

INDUSTRIAL USES

MIO is used for manufacturing of electric welding rods, in arc welding industries, in flux mixtures, structural protective coatings of varied types, paint primers, weather resistant paint, and the horizontal layering of MIO particles helps in giving strength to paint and protection against corrosive elements and UV light.

INFORMATION

PRODUCT CODE:
BALAJI MIO

PACKAGING
DETAILS:
50 KG HDPE BAGS
1 MT JUMBO BAGS

PORT OF
DISPATCH:
MUNDRA, INDIA

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MICACEOUS IRON OXIDE POWDER



PARTICULARS	CHEMICAL NAME	PERCENT	PERCENT
Ferric Oxide	Fe ₂ O ₃	95.32	Fe = 68.19
Ferrous Oxide	FeO	1.97	-
Silica	SiO ₂	0.83	-
Alumina	Al ₂ O ₃	0.56	-
Calcium Oxide	CaO	0.08	-
Magnesium Oxide	MgO	0.05	-
Titanium Dioxide	TiO ₂	0.10	Ti = 0.06
Manganous Oxide	MnO	0.04	Mn = 0.03
Sulphur Trioxide	SO ₃	0.01	S = 0.004
Phosphorus Pentoxide	P ₂ O ₅	0.080	P = 0.035
Loss on Ignition	-	0.095	-

DENSITY	4.85 g/cm ³
Bulk Density	2.85 g/cm ³
Volatile Matter	0.135%
Water Soluble Matter	0.22%
Oil Absorption	15.8 ml/100g
LOI at 800°C	0.27%
Lamellar Content	78-80%

HEMATITE POWDER API GRADE



DESCRIPTION

Balaji™ Hematite Powder is a mineral, coloured black to steel. It is mined as a main of iron ore and used as a weighting agent in oil drilling. It is the mineral form of iron(III) oxide (Fe_2O_3). Fluids weighted with API Hematite Powder contain fewer solids by volume than, making higher mud fluids possible.

INDUSTRIAL USES

API Grade Hematite Powder is applicable in all types of drilling fluids, including freshwater, seawater and oil-base muds. It is used as a density increasing product, used as a weighting agent and in the paint industry. Hematite is also a harder mineral than Barite so it is more resistant to particle size degradation.

INFORMATION

PRODUCT CODE:
BALAJI HEMATITE

PACKAGING
DETAILS:
1 MT JUMBO BAGS

PORT OF
DISPATCH:
MUNDRA, INDIA

MSDS REPORT
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HEMATITE POWDER



Fe ₂ O ₃	95.865%
Al ₂ O ₃	01.185%
SiO ₂	02.040%
CaO	00.170%
MgO	00.010%
LOi	00.425%
Na ₂ O	00.000%
K ₂ O	00.105%
Specific Gravity	5.05 g/cm ³ Min.

SIEVE DISTRIBUTION

Residue greater than 75 Microns	2% Max.
Residue greater than 45 Microns	15% Max.

RAMMING MASS



DESCRIPTION

Balaji™ Ramming Mass is used in the lining of induction furnaces. A proper check is exercised on the magnetic process to assure iron free Ramming Mass and for the proper composition of granules according to the furnace capacity. We customise this material as per the furnace capacity and make of the consumer and the granulation of the mix is optimised for best results.

INDUSTRIAL USES

Silica and Acidic Ramming Mass is used for the lining of induction furnaces, where the quality of lining results in the smooth working of furnaces, optimum output and better metallurgical control. The offered mass is processed using high quality chemical compounds and progressive technology in line with industry quality standards.

INFORMATION

PRODUCT CODE:
BALAJI
SILICA/ACIDIC
RAMMING MASS

PACKAGING
DETAILS:
50 KG HDPE BAGS
1 MT JUMBO BAGS

PORT OF
DISPATCH:
MUNDRA, INDIA

MSDS REPORT
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REQUEST.

RAMMING MASS



SiO ₂	97% Min.
Fe ₂ O ₃	0.5% Max.
Grain Size Range	0-5 mm
Natural Acidic Melting Point	1700° C
Maximum Recommended Use Limit	1700° C / 3274° F



QUALITY WITHOUT COMPROMISE



**"QUALITY IS REMEMBERED LONG AFTER
THE PRICE IS FORGOTTEN"**

At Balaji, we believe in giving our customers the best quality of minerals, with no compromise. We give utmost importance to quality and excellence and maintain consistency in our minerals. To conserve these standards, we have quality control labs with state of the art equipment.

Each and every mineral is checked at the testing unit for purity and composition before the final delivery to the client. Our company has also received various awards for meeting the set standards of quality. This is why the Balaji Group is known as a **BRAND OF TRUST AND RELIABILITY.**



PRODUCT PORTFOLIO

OTHER PRODUCTS BY THE BALAJI GROUP



Barytes Powder

Bentonite Powder

Bitumen

Boiler Sand

Foundry Sand

River Sand

Perlite Ore



ISO CERTIFICATION





AWARDS AND ACCOLADES





MEET THE TEAM

THE BRILLIANT MINDS BEHIND BALAJI



S.N. AGARWAL



NAVEEN AGARWAL

Mr. S.N. Agarwal founded the Balaji Group in 1979, and under his sharp business acumen and high quality standards, the company went from strength to strength and grew to where it stands today. His son, Mr. Naveen Agarwal, began his career by joining the group as the head of Marketing, soon taking over and expanding the company portfolio. Today, the Balaji Group is renowned around the world for their excellence in the mining and manufacturing of natural minerals as well as for providing multiple industries with quality service and credibility.



CONNECT WITH US



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