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Maruti Mineral Industries

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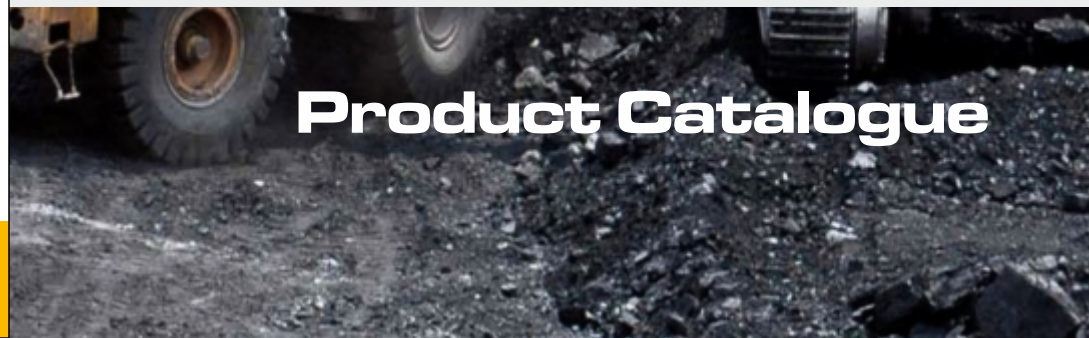
Associated Concern:
M/s Maruti Bent-O-Clay Pvt. Ltd.
V/Po - Vand, Dist - Kutch-Bhuj, Gujrat.

Maruti Mineral Industries

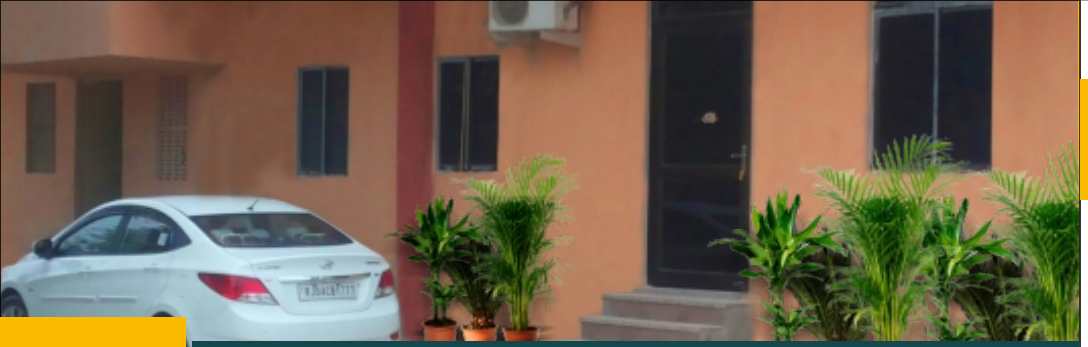
ISO 9001:2008

Symbol of Quality Since 1990





Product Catalogue



Company Profile

About us

Maruti Mineral Industries is india's leading Mining, Processing and Manufacturing company Since 1990, having mineral mining lease and well laid out processing, pulverzing, activation and other activities, necessary to fulfill the requirements of the leading buyers of our production in India and middle East.

Our mostly unit and mines are situated in Barmer (Rajasthan) which having rich mineral deposited, well connected by rail and raid (NH-15) leading to Mundara, Kandla port in Gujrat.

Our Mission is to provide best in class services dependable bulk supply of quality minerals during critical hour's and become one stop destination as per specification of our esteemed buyers.

We are mines owner, Mineral processor and mineral powder manufacture and processing of value added product of mineral like Sliceous Earth (Diatomaceous Earth), Zeolite, Bentonite, Gypsum, Plaster of Paris, China Clay, Fuller's Earth, Quick Lime, Hydrated Lime, Lime Stone Powder & Lignite Powder etc.

Location

Maruti Mineral brings strategic competitive advantage for your business.



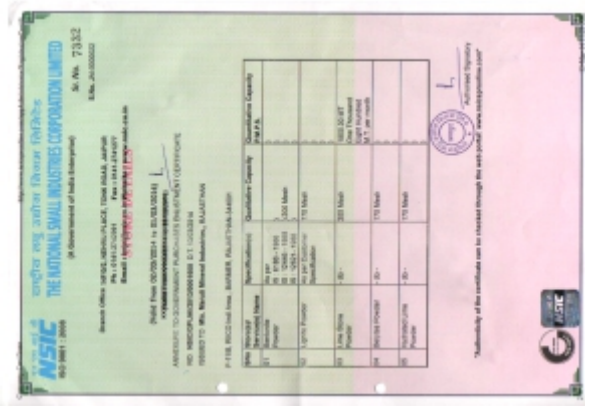
https://www.google.co.in/maps/@25.7496938,71.4162462,365m/data=!3m1!1e3

Certification

ISO 9001:2015



NSIC - STORE DETAILS



Government Purchase Enlistment Certificate



Our Product Categories

1. Diatomaceous Earth
   - a. Diatomaceous Earth Powder
   - b. Diatomaceous Earth Lumps
   - c. Diatomaceous Earth Granules
     - i) Diatomaceous Earth Natural Granules
     - ii) Diatomaceous Earth Calcinated Granules
2. Bentonite
   - a. Bentonite Powder
   - b. Bentonite Powder Lumps
   - c. Bentonite Granules
     - i) Bentonite Natural Granules
     - ii) Bentonite Roasted Granules
3. Fullers Earth Powder
4. Plaster of Paris
   - a. Commercial Grade
   - b. Chalk Grade
5. Gypsum Powder
   - a. AAC Block Grade
   - b. Agriculture Grade
   - c. Gypsum Granules
   - d. Selenite Powder
6. Quick Lime Powder / Hydrated Lime Powder
7. Silica Sand
8. China Clay Powder
9. Lignite Powder
10. Zeolite

1 Diatomaceous Earth

a Diatomaceous Earth **Powder**

b Diatomaceous Earth **Lumps**

c Diatomaceous Earth **Granules**

General Chemical Composition (%)
LiO (2.97), CaO (1.51), MgO (0.63), Fe_2O_3 (0.45), Al_2O_3 (4.70), SiO_2 (85.57)

i) Natural Granules
ii) Calcinated Granules



a) Diatomaceous Earth Powder



b) Diatomaceous Earth Lumps



c) Diatomaceous Earth Granules

Application

- Industrial
- Filtration
- Abrasive
- Pest control
- Absorbent
- Wine making
- Thermal
- DNA purification
- Use in agriculture
- Hydroponics
- Marker in livestock
- Nutrition experiments
- Construction
- Cat Litter

2 Bentonite

a Bentonite **Powder**

(API, Pilling, Earthing Grade, etc.)

b Bentonite **Lumps**

c Bentonite **Granules**

i) Bentonite Natural Granules
ii) Bentonite Roasted Granules

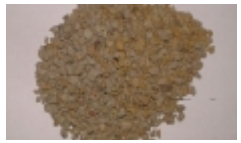
General Chemical Composition (%)
LiO (7.27), CaO (3.40), MgO (0.22), Fe_2O_3 (14.13), Al_2O_3 (19.67), SiO_2 (49.00)



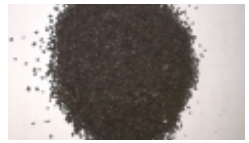
a) Bentonite Powder



b) Bentonite Lumps



c) Bentonite Granules
i) Bentonite Natural Granules



c) Bentonite Granules
ii) Bentonite Roasted Granules

Application

- Foundry
- Drilling
- Civil engineering
- Feedstuff
- Water treatment
- Agriculture
- Ceramics
- Paper
- Cat litter
- Pelletizing of iron ore
- Pharmaceuticals, cosmetics, and spa mud therapy
- Detergent additive
- Food Industry (wine, edible oils and fats)
- Paints and varnishes
- Chemical Earthing
- Pilling
- Fertilizer & Agriculture

Bentonite Specification Chart

S.N	PARAMETERS	UNIT	FOUNDARY MOULD BOND				IOP		OIL WEL DRILLING		PILLING	SP		POLYMER
			200	300	400	500	600	700	API-13A SEC-9	API-13A SEC-11 (OCMA)		SP-100 (HDD GRADE)	SP-200 (HDD /HIGH YEILD)	
1	pH (5% GEL)		8.5 MIN	8.5 MIN	8.5 MIN	8.5 -10	8.5 -10	8.5 -10	-	-	9.5 to 10.2	9.5 MIN	9.5 MIN	3.2 - 3.8
2	MOISTURE	% WT	12-14	12-14	12-14	14 MAX	14MAX	14MAX	-	-	14% MAX	14% MAX		
3	GELLING TIME	SECOND/CC	INSTANT	INSTANT	40 MAX	-	-		-	-	INSTANT	INSTANT	-	
4	GEL INDEX	CC	65 MIN	70 MIN	65 MIN	-	-		-	-	-	-	-	
5	FREE SWELLING VALUE	CC	28 MIN	30-33	35 MN	25 MIN	28 MIN	30-32	-	-	-	-	-	
6	MBA VALUE	MG/GM OF CLAY	400 MIN	415 MIN	400 MIN	-			-	-	-	-	-	
7	FINESS (PASSING THROUGH 200 BSS) -75 Micron	% WT	87 MIN	87 MIN	87 MIN	85 MIN	85 MIN		-	-	85 - 90%	85	85%	
8	GREEN COMPRESSION STRENGTH Bentonite to Water 10 : 4 (55+/-2SAFS sand 2 min dry mulling 7 min wet mulling)(Mangalore sand)	PSI	12 MIN	13 MIN	13 MIN	-	-	-	-	-	-	-	-	
9	MONTMORILLONITE CONTENT	%	-	-	-	70 MIN	-	-	-	-	70% MIN	80% MIN	-	
10	WET TENSILE STRENGHT	N/cm2 / %WT	-	-	-	0.3 MIN	-	-	-	-	-	-	-	
11	LOSS ON IGNITION	%WT	-	-	-		10-12.5	9-12.5		-	-	-	-	
12	18" GREEN DROP NO. (0.6% Bentonite + Conterntrate 2000 Blain Index)	-	-	-	-	-	7-9	7-9	-	-	-	-	-	
13	Sintered Plate Water Absorption Bentonite to Water 10 : 4 (ASTM Method)	-	-	-	-	-	650 MIN	700 MIN	-	-	-	-	-	
14	Suspension Properties Viscometer dial reading @600 rpm	-	-	-	-	-	-	-	30 MIN	30CP MIN	-	-	-	
15	Yield Point /Plastic Viscosity Ration	-	-	-	-	-	-	-	3 MAX	6 MAX	-	-	-	
16	Filter Volume	-	-	-	-		-	-	15ml MAX	16ml MAX	-	-	-	
17	Wet Screen Analysis	-	-	-	-		-	-	4% MAX	-	-	-	-	
18	Plastic Viscosity	-	-	-	-	-	-	-	-	6 MIN	-	-	-	
19	Resude Greterthan 200 Micron	-	-	-	-	-	-	-	-	2.5% MIN	-	-	-	
20	Swelling - 2g	-	-	-	-	-	-	-	-	-	-	-	32ml min	
21	Slurry Density	-	-	-	-	-	-	-	-	-	1-1.1gm/ml	-	-	-
22	Marsh Cone Viscosity (5% GEL)	-	-	-	-	-	-	-	-	-	-	50 sec.MIN	-	
23	Marsh Cone Viscosity (6% GEL)	-	-	-	-	-	-	-	-	-	35 sec. Min	-	-	
24	FILTER LOSS	-	-	-	-	-	-	-	-	-	20 ml MAX	15 ml	-	
25	LIQUID LIMIT	-	-	-	-	-	-	-	-	-	450-500 %	550% MIN	700 % min	
26	SAND CONTENT (BY VOLUME METHOD)	-	-	-	-	-	-	-	-	-	-	0.25 % MAX	0.25 % MAX	
27	Yield	-	-		-		-	-	-	-	-	-	180bbl / ton	
28	Fluid Loss	-	-		-		-	-	-	-	-	-	15ml	
29	Marsh Funnel Viscosity @ 3%	-	-		-		-	-	-	-	-	-	30 Second	
30	Marsh Funnel Viscosity @ 4%	-	-		-		-	-	-	-	-	-	60 Second	
31	Marsh Funnel Viscosity @ 5%	-	-		-		-	-	-	-	-	-	80 Second	
32	Appearance	-	-		-				-	-	-	-	-	Amber Colored Jelly
33	Nature	-	-		-				-	-	-	-	-	Anionic
34	Specific Gravity	-	-		-				-	-	-	-	-	1.0
35	Viscosity Brookfield Viscosity Spindle)	-	-	-	-	-	-	-	-	-	-	-	-	284000CPS (3.3 r.p.m.RT.)
36	Solubility in Water	-	-	-	-	-	-	-	-	-	-	-	-	infinitely soluble
37	Solid Contents	-	-	-	-	-	-	-	-	-	-	-	-	10% to 11%

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3 Fullers Earth Powder

General Chemical Composition (%)
LiO (8.34), CaO (5.24), MgO (3.32), Fe_2O_3 (10.10), Al_2O_3 (17.66), SiO_2 (50.01)

Application



- Medicine
- Decontamination
- Personal care
- Cleaning Agent
- Litter box
- Motion Picture Industry
- In Foot creams, Shampoos and many other hair products.
- A medicinal agent in traditional Chinese medicine called shi gao

4 Plaster of Paris

a Commercial Grade

b Paris Chalk Grade

Application

- In architecture
- In art
- In medicine
- In fire protection
- In Industry
- Gypsum Board
- A binder in fast-dry
- As alabaster
- A wood substitute
- Impression plasters in dentistry
- Manufacturing Dustless Chalk.



b) Plaster of Paris Chalk Grade



a) Commercial Grade

5 Gypsum Powder

a AAC Block Grade **b** Agriculture Grade **c** Gypsum Granules **d** Selenite Powder

General Chemical Composition (%)
Ca (23.87), $CaSo_4$ (96.61), MgO (0.20), Cl (0.06), Na (0.08), So_4 (53.92)

General Chemical Composition (%) of **Selenite Powder**
Ca (20.60), $CaSo_4.2H_2O$ (77.77), MgO (0.10), Cl (0.10), Mg (0.22), So_4 (53.92)



a) Gypsum Powder AAC Block Grade



b) Gypsum Powder Agriculture Grade



c) Gypsum Granules



d) Selenite Powder

Application

- Gypsum AAC Blocks
- Gypsum Fly Ash Blocks
- Fertilizer and soil conditioner
- A Tofu (Soy bean curd)
- Adding hardness to water used for brewing
- Used in baking as a dough conditioner
- A component of Portland cement
- Soil/Water potentials monitoring (soil moisture)
- A common ingredients in making mead
- Used in mushroom cultivation.
- Used in Medicines and Food Products.

6 Quick Lime Powder Hydrated Lime Powder



Hydrated Lime Powder



Quick Lime Powder

Application

- Steel Industry
- Paper Industry
- Chemical Industry
- Water Treatment
- Road Building
- Leather Industry
- Flue Gas Treatment
- Sugar Industry
- Dairy Industry
- Paints & Pigment Industry
- Agricultural Uses
- Lubricant
- Construction Industry
- AAC Block Industry

7 Silica Sand

Application

- Glass
- Foundry casting
- Ceramics
- Filtration
- Specialist building applications
- Sports and leisure
- Other users



8 China Clay Powder

Application



- In ceramics
- In toothpaste
- As a light diffusing material
- In cosmetics
- As paint to extend titanium dioxide (tio2) and modify gloss levels
- Semi-reinforcing properties in rubber
- In adhesives to modify rheology
- In the production of common smoking pipes in Europe and Asia.
- In organic farming, as a spray applied to crops to deter insect damage, and in the case of apples, to prevent sun scald
- As whitewash
- As a filler in edison diamond discs
- As an indicator in radiological dating since kaolinite can contain very small traces of uranium and thorium
- For facial masks or soap
- As adsorbents in water and wastewater treatment

9 Lignite Powder

Application

- Used in drilling mud to reduce fluid loss during drilling.
- Used in Bio Fertilizer
- Used in Agriculture



10 Zeolite Powder & Granules

Application







- As a Catalysis
- For Gas Separation
- For Ion Exchange
- In Agriculture
  - Odour Control
  - Confined animal environmental control
  - Livestock Feed Additives
- As Horticulture
  - Nurseries, Greenhouses
  - Floriculture
  - Vegetable / Herbs
  - Foilage
  - Tree and Shrub transplanting
  - Turf grass soil amendment
  - Reclamation, revegetation, landscaping
  - Silviculture (Forestry, tree plantations)
  - Medium for hydroponics growing.
- Aquaculture
  - Ammonia Filtration in fish hatcheries.
  - Biofilter media
- Household Products
  - Household odour control
  - Pet odour control
- Industrial Products
  - Absorbents for oil and spills
  - Gas separations.
- Water Treatment
  - Water filtration
  - Heavy metal removal
  - Swimming pools
- Wastewater Treatment
  - Ammonia / Ammonium removal in municipal sludge / wastewater
  - Heavy metal removal
  - Septic leach fields.