



Sri Sai Krishna
M i n e r a l s



Sri Sai Krishna Minerals , Kadapa - Mangampet & Chennai

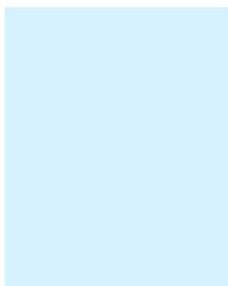


Who We Are

Sri Sai Krishna Minerals, poised to pioneer in manufacturing Industrie, Leverages the opportunities of resources available in INDIA by converting into sustainable products and services for its stakeholders.

With it's presence in the states of TamilNadu and Andhra Pradesh of South India, brand Sri Sai Krishna Minerals is set to scale its engagement in core manufacturing and allied products for greater value addition for all its end users.

Management



B.N.Raju

Managing Director

www.srisaikrishnaminerals.com

What is BARITES

Barite is the primary, naturally occurring, barium-based mineral. Barium derives its name from Greek and means heavy. Barite is also known as baryte. The primary countries in which commercial deposits of barite are currently found are the United States, China, India and Morocco. Barite's high density and chemical inertness make it an ideal mineral for many applications.

The chemical formula for barite is BaSO_4 . It has a high specific gravity of 4.50g/cm^3 . Its Mohs hardness is 3.0 to 3.5. Barite, which may be found in a variety of colors including yellow, brown, white, blue, gray or even colorless, typically has a vitreous to pearly luster.



Applications

Drilling Industry :

The overwhelming majority of the barite that is mined is used by the petroleum industry as weighting material in the formulation of drilling mud. Barite increases the hydrostatic pressure of the drilling mud allowing it to compensate for highpressure zones experienced during drilling. The american Petroleum Institute (API) has established specifications for the use of barite in drilling mud and provides appropriate certification.

Medical Industry :

An application where many people have heard barite is within the medical field. A high-purity form of barite is used in the gastrointestinal tractt where its density prevents x-ray penetration, and thus is visible on an x-ray. the outline of the gastrointestinal tract thus becomes visible allowing the determination of normal and abnormal anatomy.

Other Uses :

Barite is also used in a wide variety of other applications including plastics, clutch pads, rubber mud flaps, mold release compounds, radiation shielding, television and computer monitors, sound-deadening material in automobiles, traffic cones, brake linings, paint and golf balls.



Market

Oil and Gas segment account for over 80% share of the barite market. In the terms of region, the global barite market has been segmented into North America, Europe, Asia pacific, Latin America, Middle East and Africa. North America accounts for more than 40 % share of the barite market in terms of volume. It was the largest market for barite, followed by Asia Pacific, Europe, Middle East & Africa and Latin America.

Majority of barite is used in drilling fluid applications in the oil and gas industry. Chemical and filler applications account for over 45 % of barite in terms of demand in an Europe. Steady increase in the production of oil and gas and rise in application areas for barium compounds are expected to boost demand for barite.

The barite market is moderately fragmented : It is dominated by large and medium barite mining companies. In India the mines are controlled by the Andhra Pradesh Mineral Development Corporation LTD (APMDC Ltd) who in turn supply to pulverizing mills in the Kodu and Mangampet area.

It is also our endeavor to provide barite at economical costs by upgrading low specific density barite to 4.2 specific density through a process of beneficiation.





Experience

Under the flagship of SRI SAI KRISHNA MINERALS has facilities at Mangampet to produce over twenty thousand tons of powdered barite. These company having over a decade of experience in the Barite pulverizing industry.

The company is in the process of establishing firm tie-ups with the buyers in the barite consuming petrochemical Industry across the globe.

Our Production Product List :

- 1) Barite pure grade 4.2 specific density
- 2) Barite pure grade 4.1 specific density

ISO Certificate

Certificate of Registration

*This is to Certify That The
Quality Management System of*

SREE SAI KRISHNA MINERALS

NO. 743, KORLAKUNTA, KORLAKUNTA, OBUL AVARIPALLE,
KADAPA, ANDHRA PRADESH - 516 108, INDIA

*has been assessed and found to conform
to the requirements of*

ISO 9001:2015

for the following scope :

MANUFACTURING AND SALES OF BARYTES POWDER

Certificate No	17IQAJ80	
Initial Registration Date	: 23/08/2017	Issuance Date : 23/08/2017
Date of Expiry*	: 22/08/2020	
1st Surve. Due	: 23/07/2018	2nd Surve. Due : 23/07/2019



DIRECTOR



ROHS Certification Pvt. Ltd.



Product data sheet

Product	Barite
Grade	Drilling Grade
Product description	Conforming API standard 13 A - 7.1.1. The powdered material is of 200 micron mesh and pulverised from natural barium Sulphate ($BaSO_4$). The product is manufactured from 100 % natural ore / blend of ores. The colour of the product is light grey.
Certificate of Analysis	A certificate from SGS India Ltd for the specific gravity enclosed.

PHIYSICAL AND CHEMICAL PROPERTIES

<u>REQUIREMENT</u>	<u>STANDARD</u>
Density	4.20 g/ml, minimum
Water Solubla earth metals	250 mg/Kg, maximum
Residue greater than 75 Um	maximum mass fraction 3.0 %
Particles less than 6 um in equivalent spherical diameter	Maximum mass fraction 30 %

MSDS barium Sulphate (Barytes)



Office: Vijaya Durga Colony, 5'th Road, 75/26-4-1, Y.S.R. Kadapa Dist, A.P.
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BARIUM SULFATE (Bartes Powder)

1. Product Identification

Synonyms : barium salt : barytes : blanc fixe; barite

CAS No. : 7727-43-7

Molecular Weight 233.39

Chemical Formula : BaSO_4

Product Codes : J.T. baker : 1030, 1040, 1041 / Mallinckrodt : 0991, 4518, 8821

2. Composition / information on Ingredients

<u>Ingredient</u>	<u>CAS No</u>	<u>Percent</u>
Barium Sulfate	7727-43-7	97 - 100 %

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

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SAF-T-DATA (tm) Ratings (Provided here for your convenience)

Health Rating : 1 - Slight
Flammability Rating : 0 - None
Reactivity Rating : 1 - Slight
Contact Rating : 1 - Slight
Lab Protective Equip : GOOGLES ; LAB COAT ; PROPER GLOVES
Storage Color Code : Green (General Storage)

Potential Health Effects

Inhalation	:	Not expected to be a health hazard.
Ingestion	:	Not expected to be a health hazard.
Skin Contact	:	No adverse effects expected.
Eye Contact	:	No adverse effects expected but dust may cause mechanical Irritation.
Chronic Exposure	:	Long term inhalation of dust may lead to deposition in Lungs in pneumoconiosis. This produces a radiological picture even though symptoms and abnormal signs may not be present

Aggravation of Pre-existing Conditions : No information found

4. First Aid Measures

Inhalation	:	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion	:	Give several glasses of water to drink to dilute. If large amounts were Swallowed, get medical advice.
Skin Contact	:	Wash exposed area with soap and water. Get medical advice if irritation develops
Eye Contact	:	Wash thoroughly with running water. Get medical advice if irritation develops

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5. Fire Fighting Measures

Fire	:	Not considered to be fire hazard.
Explosion	:	Not considered to be an explosion hazard.
Fire Extinguishing Media	:	Use any means suitable for extinguishing surrounding fire.
Special Information	:	In the event of a fire, wear full protective clothing and NIOSH-approved Self-contained breathings apparatus with full facepiece operated in the Pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills ; Sweep up and containerise for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry Ventilated area away from sources of heat, moisture and incompatibilities. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal protection

Airborne Exposure Limits:

- OSHA Permissible Exposure limit (PEL):15 mg/m³ total dust, 5 mg/m³ respirable dust
- ACGIH Threshold Limit Value (TLV): 10 mg/m³ (TWA)

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance, however, if Conditional of use create discomfort to the worker, a local exhaust system should be considered.

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Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full - face piece particulate respirator (NIOSH type N 100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oilparticles (e.g lubricants, cutting fluids, glycerine, e tc) are present, use a NIOSH type R or P filter, For emergencies or instances where the exposure levels are not known use a full-facepiece positive-pressure, air - supplied respirator. **WARNING :** Air - purifying respirators do not protect workers in oxygen-deficient atmospheres

Skin protection :

Wear protective gloves and clean body-covering clothing.

Eye Protection :

use chemical safety goggles, maintain eye wash fountain and quick drench facilities in work area.

9. Physical and Chemical Properties

Appearance	:	Fine, white powder.
Odor	:	Odorless
Solubility	:	Insoluble in water.
Specific Gravity	:	4.5 @ 15 (59F)
pH	:	5 % in water is natural to litmus
% Volatiles by volume @ 21C(70F)	:	0
boiling Point	:	1600C (2912F) Decomposes.
Melting Point	:	1580C (2876F)
Vapor Density (Air=1)	:	No information found
Vapor Pressure (mm Hg)	:	No information found
Evaporation Rate (BuAc=1)	:	No Information found

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10. Stability and Reactivity

Stability	:	Stable under ordinary conditions of use and storage
Hazardous Decomposition products	:	Burning may produce sulfur oxides.
Hazardous Polymerization	:	Will not occur.
Incompatibilities	:	Aluminum, phosphorus,
Conditions to Avoid	:	Dusting and incompatibles

11. Toxicological information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer List \-----

----NTP Carcinogen ----

Ingredient	Known	Anticipated	IARC Category
Barium Sulfate (7727-43-7)	No	No	None

12. Ecological Information

Environmental Fate	:	This material may bioaccumulate to some extent.
Environmental Toxicity	:	No information found

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. Transport Information

Not regulated. (Non –hazardous for air, sea and road freight)

15. Regulatory Information

-----\Chemical Inventory Status – Part 1 \-----

Ingredient	TSCA	EC	Japan	Australia
Barium Sulfate (7727-43-7)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status – Part 2 \-----

-----Canada-----

Ingredient	Korea	DSL	NDSL	Phil
Barium Sulfate (7727-43-7)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations – Part 1 \-----

-SARA 302- -----SARA 313 -----

Ingredient	RQ TPQ	List	Chemicals	Catg
Barium Sulfate (7727-43-7)	No	No	No	No

-----\Federal, State & International Regulations – Part 2\-----

-RCRA- -TSCA-

MSDS barium Sulphate (Barytes)



Ingredient	CERCLA	261.33	8(d)
Barium Sulfate (7727-43-7)	No	No	No

Chemical Weapons Conventions	:	No
TSCA 12(b)	:	No
CDTA	:	No
SARA 311/312	:	Acute: Yes
Chronic	:	No
Fire	:	No
Pressure	:	No
Reactivity	:	No (Pure/Solid)

Australian Hazchem Code : None allocated

Poison Schedule : None allocated

WHMIS :

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings : Health:0 Flammability: 0 Reactivity: 0

Label Hazard Warning :

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary Exposure to chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions	:	None
Label First Aid	:	Not applicable
Product Use	:	Laboratory Reagent

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Let Us Partner





M/s Sri Sai Krishna Minerals is one of the emerging and fast growing BARITES manufacturer and supplier from APMDC Andhra Pradesh, India. Based at Mangampet, Kadapa district of Andhra Pradesh, the home from Indian BARITES, our company has a state of art BARITES processing unit which ensures uniform grade and quality of the product.

Vision:

Our vision is to satisfy customers and to become their first choice by delivering distinguishable quality barites and minerals product and timely supply that is unpatrolled by our competitors and be a globally leading company and to be a pride of India. Implementation of environmental friendly techniques is the way of our operational standards. Dedication and continuous commitment of the staff in setting highest standard of ethics and principles in work and optimized output with the incessant view of customer need and satisfaction by providing the most economical and high quality product and to leave an indelible impression resulting in a long lasting and effective business relationship.

Mission:

Our Mission is to produce high quality barites and mineral products and deliver to domestic and international customers at the schedule time as per the requirement of the clients, ensuring the customer delight in providing products that are unmatched in terms of quality and promised quantity.

Based on the high values and on the principle of economical and quality output, our pricing is the most competitive in the entire industry. We are leaders in implementing the state of art technology in grading and processing the BARITES.

Our ability to supply bulk demands consistently had made us one of the most preferred suppliers too many of the industries located throughout the length and breadth of the country. Our Grey Barites is also finding wide applications in Oil exploration industry in Krishna and Godavari Basins of Andhra Pradesh.

Our state of art machinery is capable of processing BARITES of all grades i.e. 4.20, 4.10 And 4.00 grades to suit the various needs of our clients and we are capable of supplying very huge quantity even at a very short notice. Our production capacity ensures a steady supply of BARITES at unmatched and most competitive pricing.

BARITES also known as BARYTES, is a form of Barium Sulphate. Normal white or Buff colored, is found throughout the world as an ore. BARITES is mined by both underground and surface methods, and sold as a fine white power. Barites known as a Barium Sulphate is a mineral product useful in multiple industries now.

Mangampet BARITES deposit is the largest among the known BARITES of the globe with an estimated reserve of about 74 million tones. The deposit comprising beds of granular barites overlain by lapilli barites occurs within the Proterozoic Mangampet formation of the Cuddapah basin. Barites applications are found in Pulversising, Oil & natural gas drilling, paint, chemicals and glass industry.

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We supply material of different grades catering to the various needs of the clients

- I. A-Grade:
- II.B-Grade:
- III. C+D+W Grade:

While catering to the local priority, our export quality barites are acclaimed all over the world as one of the best in the class. Basing on the customer's requirements, our product is classified as under based on specific gravity

- I. Specific Gravity 4.00
- II.Specify Gravity 4.10
- III. Specify Gravity 4.15
- IV. Specify Gravity 4.20

We supply the product on FOB Basis at our nearest port. All the Swift Currency are acceptable .
We offer good quality and good quantity product to our customers.

Our Strength:

Our quality is our strength and our client base is our motivation
Apart from our own capacity, Our Company also made a strategic alliance with an assured agreement for three years with some of the supplies as detailed hereunder, thus ensuring a definite and steady supply to cater bulk demands.

S.NO	COMPANY NAME	QUANTITY
1.	Sri Sai Krishna Minerals	1350
2.	Capital Projects	1350
Total		2700

We sincerely look forward to be associated with you and grow as your most proffered supplies of barites for your industry.

For Sri Sai Krishna Minerals

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