



Store In A Cool Location Silicon Dioxide CAS Number 7631-86-9 Boiling Point 2230 °C Silicon Dioxide For Chemical Industry

Basic Information



Product Specification

- Storageconditions: Store In A Cool, Dry Place Away From Moisture
- Transport Package: Kraft Bag With Pallet Or Carton
- Casnumber: 7631-86-9
- Einecs: 238-455-4
- State: Powder
- Trademark: Sunhere
- Meltingpoint: 1710 °C
- Cas No: 7631-86-9
- Highlight: **Silicon Dioxide for chemical industry ,
Silicon Dioxide CAS 7631-86-9 ,
Silicon Dioxide high boiling point**

Product Description:

Silicon Dioxide, also known as silica, is a versatile and widely utilized chemical compound with the CAS number 7631-86-9. Originating from Anhui, Huainan, this product is offered in a specification of 10kg, making it suitable for various industrial and research applications. Silicon Dioxide is renowned for its exceptional thermal stability, boasting a high boiling point of 2230 °C, which allows it to withstand extreme temperatures without decomposition or loss of integrity.

One of the most notable forms of this product is Silicon Dioxide Nanoparticles, which present unique properties due to their nano-scale size. These nanoparticles exhibit a high surface area to volume ratio, enhancing their reactivity and making them ideal for advanced technological applications. Silicon Dioxide Nanoparticles are extensively used in fields such as electronics, pharmaceuticals, cosmetics, and materials science, where their small size and high purity contribute to improved performance and functionality.

Amorphous Silicon Dioxide is another critical form of this compound, characterized by its non-crystalline structure. Unlike crystalline silica, Amorphous Silicon Dioxide has a random atomic arrangement, which imparts distinct physical and chemical properties. This amorphous form is highly valued for its excellent dispersibility, low density, and transparency, making it a preferred choice in applications such as coatings, adhesives, and food additives. Additionally, Amorphous Silicon Dioxide is often used as an anti-caking agent, a thickener, or a carrier material in various formulations.

The Silicon Dioxide product from Anhui, Huainan is carefully packaged to ensure safe transport and storage. It is typically delivered in Kraft bags with pallets or cartons, providing robust protection against contamination and moisture ingress during transit. This packaging method not only preserves the quality of the Silicon Dioxide but also facilitates easy handling and storage at the destination.

Due to its chemical inertness, durability, and thermal resistance, Silicon Dioxide is a fundamental component in numerous industrial processes. It serves as a raw material in the production of glass, ceramics, and cement, contributing to the structural integrity and performance of these materials. Moreover, Silicon Dioxide Nanoparticles are increasingly incorporated into composite materials to enhance mechanical strength, thermal resistance, and electrical insulation properties.

In the realm of environmental and biomedical research, Silicon Dioxide Nanoparticles are gaining prominence for their biocompatibility and potential in drug delivery systems. Their ability to be functionalized with various chemical groups allows for targeted therapeutic applications, making them an exciting area of scientific exploration. Furthermore, Amorphous Silicon Dioxide's capacity to absorb moisture and control humidity is leveraged in packaging and preservation technologies.

Overall, this Silicon Dioxide product offers a high-quality, reliable source of both bulk and nano-scale silica particles. Whether utilized as Amorphous Silicon Dioxide or Silicon Dioxide Nanoparticles, it provides essential properties that meet the demands of cutting-edge industries and research fields. Its origin from Anhui, Huainan ensures adherence to strict quality standards, while the practical 10kg specification caters to both small-scale and larger operational needs.

In summary, Silicon Dioxide with CAS No. 7631-86-9, having a boiling point of 2230 °C and supplied in 10kg packaging, is a vital material known for its diverse applications and exceptional thermal and chemical stability. The availability of Silicon Dioxide Nanoparticles and Amorphous Silicon Dioxide forms further expands its usability, making it an indispensable product in modern science and industry. Properly packaged in Kraft bags with pallets or cartons, this product ensures safe delivery and optimal performance in all intended applications.

Applications:

Sunhere Amorphous Silicon Dioxide, also known as Fumed Silicon Dioxide Powder, is a versatile product originating from Anhui, Huainan. With the CAS number 7631-86-9 and EINECS 238-455-4, this high-quality powder is widely recognized for its exceptional purity and performance in various applications. The product is supplied in a powder state, making it easy to integrate into different manufacturing and industrial processes.

The primary application of Sunhere Fumed Silicon Dioxide Powder lies in its role as a thickening agent, anti-caking agent, and desiccant across numerous industries. In the pharmaceutical industry, Amorphous Silicon Dioxide is commonly used to improve the flow properties of powders and granules, ensuring consistent dosage and stability in tablet formulations. Its excellent moisture-absorbing capabilities help maintain product integrity during storage and transportation.

In the cosmetics and personal care sector, Fumed Silicon Dioxide Powder serves as an essential ingredient to enhance the texture and spreadability of creams, lotions, and powders. It provides a smooth, silky feel while preventing clumping and settling in liquid formulations. This makes it ideal for use in foundations, sunscreens, deodorants, and other skincare products.

Sunhere Amorphous Silicon Dioxide is also extensively utilized in the food industry as an anti-caking agent to prevent powdery products from clumping. It ensures free-flowing behavior in powdered food supplements, spices, and powdered drink mixes, enhancing their usability and shelf life. Additionally, its inert nature and safety profile make it suitable for direct contact with food items.

Beyond these sectors, Fumed Silicon Dioxide Powder is crucial in industrial applications such as rubber reinforcement, adhesives, sealants, and coatings. It improves mechanical strength, durability, and resistance to wear and tear. In electronics, it is used as an insulating material and filler in various components.

Overall, Sunhere Amorphous Silicon Dioxide from Anhui, Huainan is a highly adaptable and reliable powder product. Its unique properties and broad range of applications make it an indispensable material in pharmaceuticals, cosmetics, food processing, and industrial manufacturing, offering enhanced performance and product quality across multiple scenarios.

Packing and Shipping:

The Silicon Dioxide product is carefully packaged to ensure its purity and quality during transportation. It is packed in moisture-resistant, airtight bags or drums to prevent contamination and moisture absorption. Each package is clearly labeled with product information, batch number, and safety instructions.

For shipping, the product is securely placed on pallets and wrapped with stretch film to avoid any movement or damage. It is recommended to store the product in a cool, dry place during transit. Our shipping methods comply with all relevant safety and regulatory standards to guarantee timely and safe delivery to your location.

FAQ:

Q1: What is Silicon Dioxide commonly used for?

A1: Silicon Dioxide is widely used as an anti-caking agent in food products, a filler in pharmaceuticals, and as a component in glass and

semiconductor manufacturing.

Q2: Is Silicon Dioxide safe for consumption?

A2: Yes, Silicon Dioxide is generally recognized as safe (GRAS) by food safety authorities when used in appropriate amounts in food and supplement products.

Q3: What forms does Silicon Dioxide come in?

A3: Silicon Dioxide is available in various forms including powder, granules, and microspheres, depending on its intended industrial or commercial use.

Q4: How should Silicon Dioxide be stored?

A4: Silicon Dioxide should be stored in a cool, dry place away from moisture and direct sunlight to maintain its quality and prevent clumping.

Q5: Can Silicon Dioxide be used in cosmetics?

A5: Yes, Silicon Dioxide is commonly used in cosmetic products as an absorbent and to improve texture and application properties.



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