Promoted Dark Gray C9 Pd Al2o3 Catalyst With Surface Area 100-200 M2/G For Hydrogenation

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: C8/C9 Hydrogenation Catalyst
- Model Number: KMH-08

Product Specification

- Particle Size: 1-3 Mm
- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Surface Area: 100-200 M2/g
- Pore Volume: 0.3-0.5 Cm3/g
- Promoter: Aluminum Oxide (Al2O3)
- Appearance: Dark Gray To Black Solid
- Active Component: Palladium (Pd)
- Highlight: **c9 pd al2o3 catalyst**, **gray h2 pd catalyst**, **gray pd al2o3 catalyst**

Product Description

Product Description:

The C8/C9 Hydrogenation Catalyst is a dark gray to black solid with a particle size of 1-3mm. Its pore volume ranges from 0.3-0.5 cm3/g, which makes it highly porous and able to accommodate a large amount of reactants. This characteristic also facilitates mass transfer and improves the catalyst's selectivity.
The C8/C9 Hydrogenation Catalyst is ideal for the hydrogenation of C8/C9 unsaturated hydrocarbons such as phenylacetylene. Phenylacetylene is a highly reactive molecule that is commonly used in the synthesis of various chemicals, including pharmaceuticals and fragrances. The hydrogenation of phenylacetylene to styrene is an essential reaction in the production of polystyrene, which is widely used in the manufacturing of various plastic products.
The C8/C9 Hydrogenation Catalyst is highly selective, allowing for the hydrogenation of phenylacetylene to styrene without further reduction to ethylbenzene. This selectivity is essential since the production of ethylbenzene can lead to the formation of unwanted by-products, which can negatively impact the yield and purity of the final product.
In conclusion, the C8/C9 Hydrogenation Catalyst is an excellent product that offers high activity, selectivity, and stability. Its unique properties make it ideal for the hydrogenation of unsaturated hydrocarbons such as phenylacetylene to produce styrene, a critical intermediate in the production of polystyrene. Its dark gray to black solid appearance, pore volume, particle size, and active component (Palladium) make it a desirable catalyst for various industrial applications.

Technical Parameters:

Technical Parameter	Value
Hydrogenation Catalyst	C8/C9 Hydrogenation Catalyst
Active Component	Palladium (Pd)
Promoter	Aluminum Oxide (Al2O3)
Surface Area	100-200 M2/g
Pore Volume	0.3-0.5 Cm3/g
Particle Size	1-3 Mm
Appearance	Dark Gray To Black Solid
Application	Selective Hydrogenation Of C8/C9 Hydrocarbons such as phenylacetylene

Applications:

One of the primary applications of the C8/C9 Hydrogenation Catalyst is in the production of Ni, Ni-containing chemicals, and specialty chemicals. The catalyst is used in the hydrogenation process of these chemicals, allowing for the reduction of unsaturated bonds and the enhancement of their stability. This process is particularly useful in the production of high-quality chemicals that require precise specifications and purities.
The C8/C9 Hydrogenation Catalyst is also widely used in the refining of crude oil. The catalyst helps to remove impurities in the oil, such as sulfur and nitrogen, and improves the quality of the final product. Furthermore, the catalyst is used in the production of fuels, such as gasoline and diesel, and helps to increase their octane rating and cetane number, respectively.
In addition to the above applications, the C8/C9 Hydrogenation Catalyst is also used in the production of polymers, such as polyethylene and polypropylene. The catalyst helps to improve the quality of the polymer by removing impurities and reducing their molecular weight. This process results in polymers with better mechanical and chemical properties, making them suitable for various applications in industries such as packaging, textiles, and automotive.
Overall, the C8/C9 Hydrogenation Catalyst is a versatile product that has a wide range of applications in various industries. Its unique composition and properties make it an essential component in the production of high-quality chemicals, fuels, and polymers.

Customization:

Introducing our customizable C8/C9 Hydrogenation Catalyst, model number KMH-08, proudly made in CHINA. This catalyst is specifically designed for the selective hydrogenation of C8/C9 hydrocarbons, including phenylacetylene.
Our C8/C9 Hydrogenation Catalyst has a particle size of 1-3 mm, a surface area of 100-200 m2/g, and a pore volume of 0.3-0.5 cm3/g. Its appearance is a dark gray to black solid.
With our product customization services, we can tailor the C8/C9 Hydrogenation Catalyst to meet your specific needs. Whether you require a different particle size or surface area, we can work with you to create a customized solution.
Contact us today to learn more about how our customizable C8/C9 Hydrogenation Catalyst can benefit your application.

Support and Services:

The C8/C9 Hydrogenation Catalyst product offers technical support and services to ensure optimal performance and efficiency. Our team of experts provides assistance with catalyst selection, process optimization, and troubleshooting. We also offer catalyst testing and analysis services to help customers evaluate catalyst performance and identify any issues. In addition, we provide catalyst regeneration and recycling services to help customers reduce costs and minimize waste. Our goal is to assist customers in achieving their desired outcomes while maintaining the highest levels of safety and environmental responsibility.

Packing and Shipping:

Product Packaging:

The C8/C9 Hydrogenation Catalyst product is packaged in 25 kg metal drums.

The drums are tightly sealed to prevent any contamination during shipping and storage.

Shipping:

The C8/C9 Hydrogenation Catalyst product is shipped via air or sea freight depending on customer preference and location.

All shipping documentation is provided including the Material Safety Data Sheet (MSDS) and Certificate of Analysis (COA).

The product is properly labeled and packaged to comply with international shipping regulations.

We work with reputable shipping companies to ensure timely and safe delivery of our products to our customers.

Qingdao Junyao Catalyst New Material Technology Co., Ltd.

+8618254266810 jycat@qdjunyao.com.cn jyalumcatalyst.com