



Aluminum Oxide Enhanced C8/C9 Hydrogenation Catalyst for Industrial Organic Synthesis

Our Product Introduction

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Basic Information

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



Product Specification

- Surface Area: 100-200 M2/g
- Appearance: Dark Gray To Black Solid
- Active Component: Palladium (Pd)
- Pore Volume: 0.3-0.5 Cm3/g
- Promoter: Aluminum Oxide (Al₂O₃)
- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Particle Size: 1-3 Mm
- Highlight: **c8 pd catalyst, c9 pd catalyst, industrial c8/c9 hydrogenation catalyst**

Product Description

Product Description:

The catalyst's selective nature is a result of its unique composition, which allows for the hydrogenation of C8/C9 hydrocarbons while leaving other hydrocarbons untouched. This makes it a valuable tool for the production of high-quality products in the chemical industry. One of the key benefits of the C8/C9 Hydrogenation Catalyst is its particle size. At 1-3 mm, it is small enough to allow for efficient contact with the feedstock, but large enough to prevent it from being carried away with the product stream. This ensures that the catalyst remains in the reactor and continues to perform its intended function.

The high surface area of the C8/C9 Hydrogenation Catalyst also plays a critical role in its effectiveness. With a surface area of 100-200 m²/g, it provides a large area for the reactants to come into contact with the catalyst, promoting efficient and effective hydrogenation. Overall, the C8/C9 Hydrogenation Catalyst is an essential tool for chemical producers looking to selectively hydrogenate C8/C9 hydrocarbons, such as phenylacetylene. With its unique composition, particle size, and surface area, it provides efficient and effective hydrogenation, leading to high-quality products and increased productivity.

Technical Parameters:

Attribute	Value
Appearance	Dark Gray To Black Solid
Pore Volume	0.3-0.5 Cm ³ /g
Active Component	Palladium (Pd)
Surface Area	100-200 M ² /g
Particle Size	1-3 Mm
Application	Selective Hydrogenation Of C8/C9 Hydrocarbons
Promoter	Aluminum Oxide (Al ₂ O ₃)

Applications:

The C8/C9 Hydrogenation Catalyst is used in various occasions and scenarios. It is commonly used in the hydrogenation of C8 and C9 aromatic hydrocarbons, which are commonly found in petroleum and petrochemical industries. The catalyst is also used in the production of high-quality gasoline and diesel fuels. This is achieved by removing impurities such as sulfur and nitrogen from crude oil.

The C8/C9 Hydrogenation Catalyst is also used in the production of chemicals such as cyclohexane, which is used in the production of nylon. The catalyst is used to convert benzene into cyclohexane by hydrogenating it. This process is important because benzene is a known carcinogen and needs to be removed from the production process.

The C8/C9 Hydrogenation Catalyst is also used in the production of nickel (Ni) catalysts. The catalyst is used to improve the activity and selectivity of the nickel catalysts. This is important in the production of chemicals such as butadiene, which is used in the production of synthetic rubber.

In summary, the C8/C9 Hydrogenation Catalyst is a highly efficient catalyst used in various occasions and scenarios. It is commonly used in the hydrogenation of C8 and C9 aromatic hydrocarbons, the production of high-quality gasoline and diesel fuels, the production of chemicals such as cyclohexane, and the production of nickel (Ni) catalysts. The product's efficient performance, large surface area, and pore volume make it a valuable catalyst in the petrochemical and chemical industries.

Customization:

Our experienced team offers product customization services to meet the unique requirements of your project. We can adjust the pore volume, particle size, and other parameters to tailor our hydrogenation catalyst to your specific application. Whether you need a larger or smaller particle size, or a higher or lower pore volume, we can customize our C8/C9 Hydrogenation Catalyst to meet your needs. Our Hydrogenation Catalyst is also available with Pd as a promoter, which can greatly enhance its performance. Contact us today to learn more about our customizable product options and how we can help you achieve optimal results for your project.

Support and Services:

Our C8/C9 Hydrogenation Catalyst product offers excellent performance and selectivity in the hydrogenation of a variety of unsaturated organic compounds. Our technical support and services include:

- Customized catalyst development and optimization to meet specific customer needs
- Technical consultation and on-site support for catalyst use and optimization
- Catalyst regeneration and recycling services to reduce overall costs
- Analytical services for catalyst characterization and performance evaluation
- Training and education on catalyst handling, safety, and best practices

Packing and Shipping:

Product Packaging:

The C8/C9 Hydrogenation Catalyst product comes packed in a high-quality, air-tight, and moisture-proof container made of stainless

steel. The catalyst is securely packed inside the container to prevent any damage during transportation.

Shipping:

The C8/C9 Hydrogenation Catalyst product is shipped via trusted and reliable courier services. All packages are insured and trackable to ensure secure and timely delivery. Customers are notified by email or phone once their order has been dispatched, along with the tracking details. Shipping charges will be calculated at the time of checkout and may vary based on the delivery location.



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