



## Palladium Hydrogenation Catalyst With Promoters Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)

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 M<sup>2</sup>/g
- Active Component: Palladium (Pd)
- Pore Volume: 0.3-0.5 Cm<sup>3</sup>/g
- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Particle Size: 1-3 Mm
- Promoter: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)
- Appearance: Dark Gray To Black Solid
- Highlight: **palladium hydrogenation catalyst,  
al<sub>2</sub>o<sub>3</sub> hydrogenation catalyst,  
al<sub>2</sub>o<sub>3</sub> palladium hydrogenation**

## Product Description

### Product Description:

This hydrogenation catalyst features a promoter of aluminum oxide ( $\text{Al}_2\text{O}_3$ ), which is known for its excellent performance in catalytic reactions. The catalyst's pore volume is 0.3-0.5  $\text{cm}^3/\text{g}$ , providing ample space for the reactants to enter and for the products to exit. This allows for a more efficient and effective reaction.

The C8/C9 Hydrogenation Catalyst product has Pd (palladium) as its active ingredient, which is highly effective in catalyzing hydrogenation reactions. The catalyst's unique formulation allows for selective hydrogenation of C8/C9 hydrocarbons, making it an ideal choice for the targeted application.

The product has been tested and proven to provide excellent results in the selective hydrogenation of C8/C9 hydrocarbons. Its high-quality construction ensures durability and longevity, making it a cost-effective option for industrial-scale applications.

In summary, the C8/C9 Hydrogenation Catalyst product offers a high-quality, efficient, and effective solution for selective hydrogenation of C8/C9 hydrocarbons. Its unique formulation, including Pd as the active ingredient, aluminum oxide ( $\text{Al}_2\text{O}_3$ ) as the promoter, and a pore volume of 0.3-0.5  $\text{cm}^3/\text{g}$ , makes it a top-performing catalyst for the targeted application.

### Technical Parameters:

Promoter:	Aluminum Oxide ( $\text{Al}_2\text{O}_3$ )
Active Component:	Palladium (Pd)
Appearance:	Dark Gray To Black Solid
Particle Size:	1-3 Mm
Pore Volume:	0.3-0.5 $\text{cm}^3/\text{g}$
Application:	Selective Hydrogenation Of C8/C9 Hydrocarbons
Surface Area:	100-200 $\text{m}^2/\text{g}$

### Applications:

The C8/C9 Hydrogenation Catalyst is a dark gray to black solid that is widely used in the petrochemical industry. It is commonly used in the production of gasoline, diesel, and other fuels. This catalyst is highly effective in removing impurities such as sulfur, nitrogen, and metals from hydrocarbons, helping to improve their quality.

One of the main advantages of the C8/C9 Hydrogenation Catalyst is its ability to selectively hydrogenate C8/C9 hydrocarbons without affecting other hydrocarbons in the feedstock. It does this through a process called "hydrogenolysis", which involves the addition of hydrogen to the hydrocarbon molecule. This process results in the formation of Ni, which is a valuable byproduct that can be used in other applications.

The C8/C9 Hydrogenation Catalyst is used in a variety of occasions and scenarios. For example, it can be used in refineries to improve the quality of gasoline and diesel fuels. It is also used in the production of chemical intermediates, such as cyclohexane, which is used in the manufacture of nylon. Additionally, it is used in the production of lubricants, where it helps to remove contaminants from the feedstock.

In conclusion, the C8/C9 Hydrogenation Catalyst is a high-quality product that is widely used in the petrochemical industry. Its ability to selectively hydrogenate C8/C9 hydrocarbons without affecting other hydrocarbons in the feedstock makes it an effective catalyst for a variety of applications. Its ability to produce Ni as a valuable byproduct is an added advantage. If you are looking for a reliable and effective catalyst for your petrochemical applications, the C8/C9 Hydrogenation Catalyst is an excellent choice.

### Support and Services:

The C8/C9 Hydrogenation Catalyst is a high-performance catalyst designed for use in a variety of hydrogenation applications. It offers excellent selectivity and activity for a range of feedstocks, and can be used in both batch and continuous processes.

Our product technical support team is available to assist with any questions or issues related to the use of the C8/C9 Hydrogenation Catalyst. We offer a range of services, including:

Technical consultation

Process optimization

Product testing and evaluation

Onsite support and troubleshooting

Our team of experienced professionals has extensive knowledge of hydrogenation processes and can help ensure that you get the most out of your catalyst. Contact us today to learn more about our C8/C9 Hydrogenation Catalyst and the support services we offer.

### Packing and Shipping:

#### Product Packaging:

The C8/C9 Hydrogenation Catalyst product is packaged in a sealed, air-tight container to prevent any contamination or moisture from affecting its quality.

The container is made of high-quality materials that are sturdy and durable, ensuring that the product remains safe during shipping and storage.

The packaging includes a label that clearly identifies the product name, quantity, and any other relevant information such as storage

instructions and hazard warnings.

**Shipping:**

The C8/C9 Hydrogenation Catalyst product is shipped in a secure and safe manner to ensure that it arrives at its destination in excellent condition.

The shipping process is handled by a reliable and reputable courier service that has experience in handling hazardous materials and ensuring compliance with all relevant regulations.

The packaging is marked with appropriate hazard warnings and labels to ensure that all relevant parties are aware of the contents of the package.



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