



## C8/C9 Hydrogenation Catalyst with Palladium for Industrial Processes

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: C8/C9 Hydrogenation Catalyst
- Packaging Details: Customer demand, drum or ton pack.



### Product Specification

- Appearance: Blue Granule
- Pore Volume: 0.3-0.5 Cm<sup>3</sup>/g
- Thermal Stability: High
- Active Component: Palladium (Pd)
- Regenerability: Good
- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Promoter: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)
- Surface Area: 100-200 M<sup>2</sup>/g
- Highlight: **C8/C9 hydrogenation palladium catalyst, industrial hydrogenation catalyst, palladium catalyst for C8/C9**

## Product Description

### Product Description:

The C8/C9 Hydrogenation Catalyst is a specialized catalyst designed for the selective hydrogenation of C8/C9 hydrocarbons, offering high thermal stability and exceptional performance in various industrial applications. With a surface area ranging from 100 to 200 M2/g, this catalyst features a particle size of 1-3 mm and utilizes Palladium (Pd) as the active component.

One of the key advantages of this catalyst is its high thermal stability, allowing it to maintain its catalytic activity even under elevated temperatures. This characteristic makes it a reliable choice for processes that require sustained performance over extended periods. With its optimized surface area, the C8/C9 Hydrogenation Catalyst provides ample active sites for the efficient hydrogenation of C8/C9 hydrocarbons, ensuring high conversion rates and selectivity towards the desired products. This catalyst is specifically tailored for the hydrogenation of complex molecules such as phenylacetylene, offering excellent control over the reaction to achieve the desired outcomes.

The use of Palladium (Pd) as the active component further enhances the catalytic performance of this product. Palladium is known for its exceptional catalytic properties, including high activity and selectivity, making it a preferred choice for hydrogenation reactions. The presence of Palladium in this catalyst ensures rapid and efficient conversion of C8/C9 hydrocarbons, leading to improved process economics and product quality.

Due to its particle size of 1-3 mm, the C8/C9 Hydrogenation Catalyst exhibits excellent fluid dynamics and mass transfer characteristics, enabling uniform distribution of reactants and products throughout the catalytic bed. This property contributes to enhanced reaction kinetics and overall process efficiency, resulting in higher yields and reduced by-product formation.

In industrial applications requiring the selective hydrogenation of C8/C9 hydrocarbons, this catalyst offers a reliable and cost-effective solution. Its superior performance, combined with its specific design for handling challenging substrates like phenylacetylene, makes it a versatile choice for various chemical processes.

Overall, the C8/C9 Hydrogenation Catalyst stands out for its high thermal stability, optimized surface area, selective hydrogenation capabilities, and effective utilization of Palladium as the active component. Whether used in batch or continuous processes, this catalyst delivers consistent and high-quality results, making it a valuable asset for industries seeking efficient and sustainable hydrogenation solutions.

### Features:

**Product Name:** C8/C9 Hydrogenation Catalyst

**Appearance:** Blue Granule

**Promoter:** Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)

**Particle Size:** 1-3 mm

**Active Component:** Palladium (Pd)

**Pore Volume:** 0.3-0.5 cm<sup>3</sup>/g

### Technical Parameters:

Appearance	Blue Granule
Pore Volume	0.3-0.5 Cm <sup>3</sup> /g
Active Component	Palladium (Pd)
Promoter	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )
Regenerability	Good
Particle Size	1-3 Mm
Thermal Stability	High
Surface Area	100-200 M2/g
Application	Selective Hydrogenation Of C8/C9 Hydrocarbons

### Applications:

The **C8/C9 Hydrogenation Catalyst** is a high-quality catalyst originating from **CHINA**. Packaged according to customer demand, it is available in drum or ton packs. The catalyst boasts excellent thermal stability, making it suitable for a wide range of applications.

With its good regenerability, the **C8/C9 Hydrogenation Catalyst** can be effectively reused multiple times, providing cost savings and environmental benefits. Its distinctive appearance as blue granules allows for easy identification and handling during application.

The catalyst's pore volume of **0.3-0.5 cm<sup>3</sup>/g** ensures efficient absorption and utilization of reactants, enhancing overall performance in hydrogenation processes.

Formulated with **Pd** as the active component and **Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)** as the promoter, the **C8/C9 Hydrogenation Catalyst** offers exceptional catalytic activity and selectivity, making it ideal for various industrial processes.

**Product Application Occasions and Scenarios:**

**Refinery processes for C8/C9 isomerization**

**Hydrogenation of C8/C9 aromatic compounds in petrochemical industry**

**Production of specialty chemicals using C8/C9 feedstock**

**Hydrogenation reactions in pharmaceutical manufacturing**

## Customization:

Product Customization Services for the C8/C9 Hydrogenation Catalyst: .....

Brand Name: C8/C9 Hydrogenation Catalyst

Place of Origin: CHINA

Packaging Details: Customer demand, drum or ton pack.

Promoter: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)

Regenerability: Good

Appearance: Blue Granule

Surface Area: 100-200 M<sup>2</sup>/g

Particle Size: 1-3 Mm

## FAQ:

Q: What is the brand name of the hydrogenation catalyst product? .....

A: The brand name of the hydrogenation catalyst product is C8/C9 Hydrogenation Catalyst.

Q: Where is the C8/C9 Hydrogenation Catalyst product manufactured?

A: The C8/C9 Hydrogenation Catalyst product is manufactured in China.

Q: What are the packaging details available for the C8/C9 Hydrogenation Catalyst?

A: The packaging details for the C8/C9 Hydrogenation Catalyst include customer demand options, drum packaging, or ton pack packaging.

Q: Can customers request specific packaging options for the C8/C9 Hydrogenation Catalyst?

A: Yes, customers can request specific packaging options based on their needs for the C8/C9 Hydrogenation Catalyst.

Q: Is the C8/C9 Hydrogenation Catalyst available in bulk packaging?

A: Yes, the C8/C9 Hydrogenation Catalyst can be packaged in drums or ton packs for bulk orders.



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