C8/C9 Hydrogenation Catalyst with Al2O3 Promoter and Pd Active Component

Our Product Introduction

Basic Information

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

Product Specification

- Regenerability: Good
- Promoter: Aluminum Oxide (Al2O3)
- Pore Volume: 0.3-0.5 Cm3/g
- Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
- Thermal Stability: High
- Active Component: Palladium (Pd)
- Appearance: Blue Granule
- Surface Area: 100-200 M2/g
- Highlight: **C8/C9 hydrogenation catalyst with Al2O3**, **Pd active component hydrogenation catalyst**, **Al2O3 promoter C8/C9 catalyst**

Product Description

Product Description:

The C8/C9 Hydrogenation Catalyst is a specialized catalyst designed for efficient hydrogenation reactions, particularly aimed at converting phenylacetylene into valuable intermediates. This catalyst features palladium (Pd) as the active metal component, providing high catalytic activity and selectivity in the desired hydrogenation process.
A key feature of this catalyst is its unique composition, which includes aluminum oxide (Al_2O_3) as a promoter. The addition of Al_2O_3 enhances the catalyst's stability and performance, making it a reliable choice for industrial hydrogenation applications.
With a surface area ranging from 100 to 200 m^2/g, the C8/C9 Hydrogenation Catalyst offers a large active surface area for effective interaction between the reactants and the catalyst surface. This characteristic promotes efficient mass transfer and enhances the overall catalytic efficiency of the process.
The catalyst's particle size ranges from 1 to 3 mm, providing optimal characteristics for catalytic bed packing and ensuring uniform distribution within the reactor system. This particle size contributes to improved fluid dynamics and facilitates the hydrogenation reaction, resulting in consistent and reliable outcomes.
Regenerability is a crucial aspect of catalyst performance, and the C8/C9 Hydrogenation Catalyst excels in this regard. With good regenerability properties, the catalyst can be efficiently restored to its active state after use, extending its operational lifespan and ensuring cost-effectiveness in industrial applications.
Visually, the C8/C9 Hydrogenation Catalyst is identifiable by its distinctive blue granular appearance. This unique coloration serves as a visual indicator of the catalyst's presence and adds differentiation in catalytic processes.
In terms of catalytic performance, the C8/C9 Hydrogenation Catalyst demonstrates excellent activity and selectivity in the hydrogenation of phenylacetylene, efficiently converting the substrate into the desired intermediate products. The presence of palladium (Pd) as the active metal ensures high catalytic efficiency and precision in the selective hydrogenation process.
Moreover, the catalyst's composition is designed to minimize unwanted side reactions and enhance the overall yield of the desired hydrogenation products. By providing a controlled environment for the hydrogenation of phenylacetylene, the catalyst enables precise control over reaction parameters and product quality.
While palladium (Pd) plays a central role in catalytic activity, the C8/C9 Hydrogenation Catalyst may also contain nickel (Ni) as a secondary metal component, contributing to the overall catalytic performance and stability of the catalyst system. This combination of active metals ensures synergistic effects that enhance the hydrogenation process.

Features:

Product Name: C8/C9 Hydrogenation Catalyst
Appearance: Blue Granule
Promoter: Aluminum Oxide (Al2O3)
Pore Volume: 0.3-0.5 Cm3/g
Regenerability: Good
Particle Size: 1-3 Mm

Technical Parameters:

Particle Size	1-3 mm
Surface Area	100-200 m2/g
Appearance	Blue Granule
Regenerability	Good
Application	Selective Hydrogenation Of C8/C9 Hydrocarbons
Active Component	Palladium (Pd)
Thermal Stability	High
Pore Volume	0.3-0.5 cm3/g
Promoter	Aluminum Oxide (Al2O3)

Applications:

The C8/C9 Hydrogenation Catalyst, originating from CHINA, is a versatile product suitable for various application occasions and scenarios due to its unique attributes.
With a pore volume ranging from 0.3 to 0.5 cm3/g, this catalyst is highly effective in the selective hydrogenation of C8/C9 hydrocarbons. The presence of Aluminum Oxide (Al2O3) as a promoter enhances its catalytic activity, making it suitable for a wide range of industrial processes.
The C8/C9 Hydrogenation Catalyst's high thermal stability ensures consistent performance even under harsh operating conditions, making it a reliable choice for applications requiring prolonged exposure to elevated temperatures.
Furthermore, the catalyst's good regenerability allows for efficient and cost-effective reuse, maximizing its overall lifespan and reducing operational costs.
Packaged according to customer demand, this product is available in drum or ton packs, providing flexibility and convenience for different manufacturing settings.
Common application scenarios for the C8/C9 Hydrogenation Catalyst include the hydrogenation of C8/C9 hydrocarbons in industrial

processes. It is particularly effective in catalyzing reactions involving Pd, Pd, and Ni, showcasing its versatility in various chemical processes.
In summary, the C8/C9 Hydrogenation Catalyst is a reliable and efficient solution for selective hydrogenation applications, offering high thermal stability, good regenerability, and exceptional catalytic performance.

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.
Application: Selective Hydrogenation Of C8/C9 Hydrocarbons
Active Component: Palladium (Pd)
Pore Volume: 0.3-0.5 Cm3/g
Surface Area: 100-200 M2/g
Promoter: Aluminum Oxide (Al2O3)

FAQ:

Q: What is the brand name of this hydrogenation catalyst?
A: The brand name of this hydrogenation catalyst is C8/C9 Hydrogenation Catalyst.
Q: Where is this catalyst manufactured?
A: This catalyst is manufactured in China.
Q: What are the available packaging options for this product?
A: The packaging details can be customized based on customer demand, available in drum or ton pack.
Q: Is this catalyst suitable for industrial hydrogenation processes?
A: Yes, this catalyst is specifically designed for industrial hydrogenation processes.
Q: Can this catalyst be used for C8 and C9 hydrogenation reactions?
A: Yes, this catalyst is optimized for C8 and C9 hydrogenation reactions.

Qingdao Junyao Catalyst New Material Technology Co., Ltd.

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