



## Surface Area C3 Selective Hydrogenation Process Catalyst H2 KMH-03

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: C3 Selective Hydrogenation Catalyst
- Model Number: KMH-03



### Product Specification

- Pore Size: Uniform Pore Size Distribution
- Regenerability: Can Be Regenerated Multiple Times Without Significant Loss Of Activity
- Catalyst Type: Supported Metal Catalyst
- Surface Area: High Surface Area For Efficient Catalytic Activity
- Activity: High Activity For C3 Hydrogenation
- Support Material: Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)
- Operating Temperature: 30-35°C
- Particle Size: Narrow Particle Size Distribution
- Highlight: **c3 selective hydrogenation, c3 catalyst h2, 35°C catalyst h2**

## Product Description

### Product Description:

The particle size of the C3 Selective Hydrogenation Catalyst is carefully controlled to provide a narrow particle size distribution, resulting in improved performance and stability. The catalyst is supported on high-purity aluminum oxide (Al<sub>2</sub>O<sub>3</sub>) to maximize its activity and selectivity.

The C3 Selective Hydrogenation Catalyst is based on palladium (Pd), a highly active and selective metal for hydrogenation reactions. The Pd is dispersed on the support material using a proprietary process that ensures optimal metal dispersion and accessibility, maximizing the catalyst's activity and selectivity.

One of the key benefits of the C3 Selective Hydrogenation Catalyst is its regenerability. The catalyst can be regenerated multiple times without significant loss of activity, reducing the need for frequent catalyst replacement and minimizing waste. This makes the C3 Selective Hydrogenation Catalyst a cost-effective and sustainable solution for C3 hydrogenation applications.

The C3 Selective Hydrogenation Catalyst is ideal for a wide range of applications, including the selective hydrogenation of propylene to propane and the selective hydrogenation of butadiene to butene. Its high selectivity, narrow particle size distribution, and regenerability make it a reliable and effective choice for any C3 hydrogenation process.

Overall, the C3 Selective Hydrogenation Catalyst is a high-performance hydrogenation catalyst that offers exceptional selectivity, stability, and regenerability. Its use of palladium as the active metal, alongside a carefully controlled particle size distribution and high-purity aluminum oxide support, ensures optimal performance in a wide range of C3 hydrogenation applications.

### Technical Parameters:

Technical Parameter	Description
Operating Temperature	30-35°C
Application	Selective Hydrogenation of C3 Hydrocarbons
Surface Area	High Surface Area for Efficient Catalytic Activity
Pore Size	Uniform Pore Size Distribution
Activity	High Activity for C3 Hydrogenation
Support Material	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )
Particle Size	Narrow Particle Size Distribution
Catalyst Type	Supported Metal Catalyst
Active Metal	Palladium (Pd)
Shape	Spherical

### Applications:

Due to its regenerability, the C3 Selective Hydrogenation Catalyst can be regenerated multiple times without significant loss of activity. This makes it a cost-effective option for various industries that require a hydrogenation catalyst.

One potential application occasion for this catalyst is in the production of polypropylene. Selective hydrogenation plays a critical role in this process, and the C3 Selective Hydrogenation Catalyst can provide high propene selectivity to ensure the desired product quality. Another potential scenario for using this catalyst is in the production of butenes. The selective hydrogenation of butadiene to butenes is an essential step in this process, and the C3 Selective Hydrogenation Catalyst is capable of achieving high selectivity.

The operating temperature of the C3 Selective Hydrogenation Catalyst is around 30-35°C, making it suitable for use in various industries, including the petrochemical industry, where hydrogenation is a critical process.

In summary, the C3 Selective Hydrogenation Catalyst is a supported metal hydrogenation catalyst produced in China that can be regenerated multiple times without significant loss of activity. Its high surface area and propene selectivity make it an ideal catalyst for the production of polypropylene and butenes, among other applications.

### Customization:

Custom particle size distribution to meet specific application requirements

Adjustment of active metal loading (Palladium) to optimize catalyst performance

Custom packaging options to meet unique shipping and handling needs

The C3 Selective Hydrogenation Catalyst (Brand Name: C3 Selective Hydrogenation Catalyst) is a highly selective hydrogenation catalyst manufactured in CHINA. Its spherical shape and narrow particle size distribution make it ideal for the selective hydrogenation of C3 hydrocarbons. The catalyst exhibits high selectivity towards propene, making it an excellent choice for applications where propene selectivity is critical.

Contact us today to learn more about how our customized MAPD Hydrogenation Catalyst solutions can meet your unique application needs.

### Support and Services:

The C3 Selective Hydrogenation Catalyst product provides the following technical support and services:

Expert technical advice  
Performance evaluations and catalyst recommendations  
On-site startup and technical support  
Customized catalyst formulations  
Catalyst regeneration and recycling services  
Training programs and seminars

### **Packing and Shipping:**

#### Product Packaging:

The C3 Selective Hydrogenation Catalyst is packed in a secure and sealed container to prevent any contamination.

The container is made of high-quality materials that can withstand any handling and shipping conditions.

The product label clearly indicates the product name, batch number, and expiration date.

#### Shipping:

The C3 Selective Hydrogenation Catalyst is shipped in compliance with all applicable regulations and guidelines for hazardous materials.

The product is securely packaged to prevent any damage during transit.

Shipping is done through trusted and reliable carriers with a track record of safe and timely deliveries.

The customer will be provided with a shipping confirmation and tracking information once the product has been dispatched.



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