



## Surface Area Spherical C3 Hydrogenation Catalyst With Excellent Stability

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

- Shape: Spherical
- Stability: Excellent Stability Under Harsh Conditions
- Surface Area: High Surface Area For Efficient Catalytic Activity
- Pore Size: Uniform Pore Size Distribution
- Selectivity: High Selectivity C3 Hydrogenation
- Active Metal: Palladium (Pd)
- Catalyst Type: Supported Metal Catalyst
- Activity: High Activity For C3 Hydrogenation
- Highlight: **c3 hydrogenation catalyst,**  
**spherical hydrogenation catalyst,**  
**spherical hydrogenation process catalyst**

## Product Description

### Product Description:

Propene selectivity is a key attribute of this catalyst, as it allows for the production of valuable chemicals, such as propylene and butenes, while minimizing the formation of undesirable byproducts. This is achieved through the selective hydrogenation of the C=C bond in propene and butenes, while leaving the C≡C bond in other hydrocarbons untouched.

The C3 Selective Hydrogenation Catalyst is commonly used in the petrochemical industry for the production of propylene, which is a key building block for a wide range of plastics, fibers, and other materials. Its high activity ensures that production rates are maximized, while its selectivity towards propene minimizes the need for costly purification steps.

Overall, the C3 Selective Hydrogenation Catalyst is an excellent choice for any process that requires the selective hydrogenation of C3 hydrocarbons. Its supported metal catalyst formulation, narrow particle size distribution, and uniform pore size distribution ensure that it exhibits high activity and excellent propene selectivity, making it an indispensable tool for the production of valuable chemicals and materials.

### Technical Parameters:

Technical Parameters	Product Attribute
Surface Area	High Surface Area For Efficient Catalytic Activity
Stability	Excellent Stability Under Harsh Conditions
Selectivity	High Selectivity C3 Hydrogenation
Operating Temperature	30-35°C
Particle Size	Narrow Particle Size Distribution
Active Metal	Palladium (Pd)
Activity	High Activity For C3 Hydrogenation
Shape	Spherical
Support Material	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )
Pore Size	Uniform Pore Size Distribution

### Applications:

The C3 Selective Hydrogenation Catalyst is perfect for MAPD (Methyl Acetylene and Propadiene) hydrogenation applications. Its high activity and propene selectivity make it ideal for use in the petrochemical industry. Its uniform pore size distribution ensures consistent performance and its regenerability allows for cost-effective use over time.

Whether you are in the business of producing chemicals, plastics, or synthetic fibers, the C3 Selective Hydrogenation Catalyst can improve your process efficiency and product quality. Its stability and consistency make it a reliable choice for industrial applications. Use the C3 Selective Hydrogenation Catalyst for MAPD hydrogenation in the following scenarios:

**Acetylene Elimination:** The catalyst can effectively eliminate acetylene in MAPD streams, improving the safety of downstream processes.

**Propadiene Selectivity:** The high propene selectivity of the catalyst can improve the yield and quality of propylene in your process.

**Process Optimization:** The C3 Selective Hydrogenation Catalyst can improve the efficiency of your MAPD hydrogenation process, reducing costs and increasing productivity.

Trust in the C3 Selective Hydrogenation Catalyst for your MAPD hydrogenation needs. Its high activity, stability, and regenerability make it a valuable asset for your industrial processes.

### Customization:

**C3 Selective Hydrogenation Catalyst** ( Model Number: KMH-03 ) are available for clients worldwide. Our product is made in CHINA and has the following attributes:

**Regenerability:** Our catalyst can be regenerated multiple times without significant loss of activity, making it a cost-effective solution for your needs.

**Selectivity:** Our catalyst has high selectivity for C3 hydrogenation, ensuring superior performance and *propene selectivity*.

**Application:** Our catalyst is ideal for selective hydrogenation of C3 hydrocarbons, making it suitable for a wide range of industries.

**Support Material:** Our catalyst is supported by aluminum oxide (Al<sub>2</sub>O<sub>3</sub>), which enhances its durability and performance.

**Catalyst Type:** Our product is a supported metal catalyst, ensuring superior quality and performance.

Our **Hydrogenation Catalyst** is designed to meet the needs of your specific application. Our team of experts is ready to work with you to develop a customized solution that meets your requirements. We use the latest technologies and techniques, including *MAPD*, to ensure the highest quality and performance of our products.

### Support and Services:

- Process optimization and troubleshooting

- Catalyst performance evaluation and analysis
- Catalyst regeneration and rejuvenation
- On-site technical support and training
- Customized catalyst design and development
- Technical seminars and workshops

## **Packing and Shipping:**

### Product Packaging:

The C3 Selective Hydrogenation Catalyst product is packaged in 25kg or 50lb bags.

The bags are made of high-strength, tear-resistant material to prevent any damage to the catalyst during transit.

The bags are clearly labeled with the product name, weight, lot number, and other relevant information.

### Shipping:

The C3 Selective Hydrogenation Catalyst product is shipped via ground transportation.

The product is shipped in the original packaging to ensure maximum protection during transit.

Shipping documentation includes product name, quantity, lot number, and MSDS.

Customers can request expedited shipping at an additional cost.



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