



C3 Hydrogenation Catalyst with Enhanced Stability for Demanding Applications

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

- Regenerability: Can Be Regenerated Multiple Times Without Significant Loss Of Activity
- Stability: Excellent Stability Under Harsh Conditions
- Pore Size: Uniform Pore Size Distribution
- Operating Temperature: 30-35°C
- Application: Selective Hydrogenation Of C3 Hydrocarbons
- Particle Size: Narrow Particle Size Distribution
- Catalyst Type: Supported Metal Catalyst
- Selectivity: High Selectivity C3 Hydrogenation
- Highlight: **c3 hydrogenation catalyst,**
c3 hydrogenation process catalyst,
stability hydrogenation catalyst

Product Description

Product Description:

One of the key features of the C3 Selective Hydrogenation Catalyst is its high activity for C3 hydrogenation. It is designed to provide excellent propene selectivity, which is critical for many applications. The catalyst has been optimized to provide high activity while maintaining excellent selectivity, ensuring that the desired product is produced in a highly efficient manner.

In addition to its high activity and selectivity, the C3 Selective Hydrogenation Catalyst is also highly regenerable. It can be regenerated multiple times without significant loss of activity, which makes it a cost-effective option for many industrial applications. This is an important feature for industrial processes, as it allows for the catalyst to be reused instead of being discarded after a single use.

The C3 Selective Hydrogenation Catalyst is an excellent choice for many applications that require selective hydrogenation. Its high activity and propene selectivity make it ideal for a wide range of industrial processes. Its regenerability and uniform pore size distribution make it a cost-effective and efficient option for many applications. If you are looking for a high-quality hydrogenation catalyst, the C3 Selective Hydrogenation Catalyst is an excellent choice.

Technical Parameters:

Surface Area	High Surface Area For Efficient Catalytic Activity
Active Metal	Palladium (Pd)
Support Material	Aluminum Oxide (Al ₂ O ₃)
Activity	High Activity For C3 Hydrogenation
Stability	Excellent Stability Under Harsh Conditions
Catalyst Type	Supported Metal Catalyst
Pore Size	Uniform Pore Size Distribution
Operating Temperature	30-35°C
Application	Selective Hydrogenation Of C3 Hydrocarbons
Shape	Spherical

Applications:

The C3 Selective Hydrogenation Catalyst is ideal for a variety of applications and scenarios. One of the most notable applications of this catalyst is its ability to selectively hydrogenate propene, which is an important intermediate in the production of chemicals and polymers. The high selectivity of the C3 Selective Hydrogenation Catalyst towards propene results in higher yields and reduced waste, making it an attractive option for companies looking to improve their production efficiency.

Another key application of the C3 Selective Hydrogenation Catalyst is in the production of methylacetylene and propadiene (MAPD).

MAPD is used in the production of various chemicals, including butadiene and acrylic acid. The C3 Selective Hydrogenation Catalyst is able to selectively hydrogenate acetylene to MAPD with high selectivity, making it an important catalyst for MAPD production.

Due to its excellent stability under harsh conditions, the C3 Selective Hydrogenation Catalyst is suitable for use in a variety of scenarios. For example, it can be used in the hydrogenation of C3 in the presence of impurities such as carbon monoxide and sulfur compounds.

The stability of the catalyst ensures consistent performance even in the presence of contaminants.

In summary, the C3 Selective Hydrogenation Catalyst is a supported metal catalyst with high activity for C3 hydrogenation. Its excellent stability under harsh conditions makes it ideal for use in a variety of applications and scenarios. With its ability to selectively hydrogenate propene and produce MAPD with high selectivity, the C3 Selective Hydrogenation Catalyst is a valuable tool for companies looking to improve their production efficiency and reduce waste.

Customization:

Customize your C3 Selective Hydrogenation Catalyst with our product customization services!

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Model Number: KMH-03

Place of Origin: CHINA

Operating Temperature: 30-35°C

Shape: Spherical

Surface Area: High Surface Area For Efficient Catalytic Activity

Selectivity: High Selectivity C3 Hydrogenation - Achieve MAPD and Propene selectivity

Application: Selective Hydrogenation Of C3 Hydrocarbons

Trust our Hydrogenation Catalyst to provide high performance in your C3 Hydrogenation processes.

Support and Services:

The C3 Selective Hydrogenation Catalyst is a high-performance catalyst used in the selective hydrogenation of unsaturated hydrocarbons in C3 streams. It offers excellent activity and selectivity, and is designed to operate in a wide range of process conditions. Our product technical support and services include:

Technical consultation and assistance

Product performance evaluation and optimization

On-site technical support and troubleshooting

Training and education on catalyst handling, loading and regeneration

Customized catalyst design and development

Our dedicated team of technical experts and engineers are committed to providing exceptional support and services to ensure the optimal performance and longevity of your catalyst.

Packing and Shipping:

Product Packaging:

The C3 Selective Hydrogenation Catalyst product is packaged in 25kg steel drums with an inner polyethylene liner. The drums are labeled with the product name, batch number, net weight, and handling instructions.

Shipping:

The C3 Selective Hydrogenation Catalyst product is shipped via land or sea in compliance with all relevant transportation regulations. The product is secured in the drums and stacked on pallets for safe and efficient transportation. Shipping documents include a Material Safety Data Sheet and a Certificate of Analysis.



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