C3 H2 Platinum Catalyst With Enhanced Stability And Surface Area For Selective Hydrogenation

Our Product Introduction

Basic Information

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

Product Specification

- Catalyst Type: Supported Metal Catalyst
- Pore Size: Uniform Pore Size Distribution
- Selectivity: High Selectivity C3 Hydrogenation
- Stability: Excellent Stability Under Harsh Conditions
- Surface Area: High Surface Area For Efficient Catalytic Activity
- Regenerability: Can Be Regenerated Multiple Times Without Significant Loss Of Activity
- Shape: Spherical
- Operating Temperature: 30-35°C
- Highlight: **c3 h2 platinum catalyst**, **c3 selective hydrogenation**, **stability selective hydrogenation**

Product Description

Product Description:

The C3 Selective Hydrogenation Catalyst has a spherical shape, which provides excellent packing density and optimal flow characteristics. This ensures that the catalyst bed has a low pressure drop and allows for uniform distribution of reactants. The catalyst is highly stable and can withstand high temperatures and pressures, making it ideal for use in harsh industrial environments.
The supported metal catalyst used in the C3 Selective Hydrogenation Catalyst provides excellent selectivity for the hydrogenation of C3 hydrocarbons. This means that the catalyst can selectively convert unsaturated hydrocarbons, such as propyne and propadiene, to their corresponding saturated hydrocarbons, such as propane and propene. The catalyst can also selectively hydrogenate acetylenes and dienes in C3 streams.
The C3 Selective Hydrogenation Catalyst is highly effective in MAPD production. MAPD is a key intermediate in the production of adipic acid, which is used in the manufacture of nylon. The C3 Selective Hydrogenation Catalyst can selectively hydrogenate C3 streams to produce MAPD with high selectivity and yield. This results in a more efficient and cost-effective production process.
In summary, the C3 Selective Hydrogenation Catalyst is a supported metal catalyst that is ideal for the selective hydrogenation of C3 hydrocarbons. Its uniform pore size distribution, high surface area, and spherical shape ensure efficient catalytic activity and optimal flow characteristics. Its excellent selectivity for C3 hydrogenation makes it highly effective in MAPD production, resulting in a more efficient and cost-effective manufacturing process.

Features:

Product Name: C3 Selective Hydrogenation Catalyst
Selectivity: High Selectivity C3 Hydrogenation
Catalyst Type: Supported Metal Catalyst
Active Metal: Palladium (Pd)
Regenerability: Can Be Regenerated Multiple Times Without Significant Loss Of Activity
Pore Size: Uniform Pore Size Distribution

Technical Parameters:

Catalyst Type	Supported Metal Catalyst
Pore Size	Uniform Pore Size Distribution
Shape	Spherical
Application	Selective Hydrogenation Of C3 Hydrocarbons
Selectivity	High Selectivity C3 Hydrogenation
Support Material	Aluminum Oxide (Al2O3)
Active Metal	Palladium (Pd)
Operating Temperature	30-35°C
Activity	High Activity For C3 Hydrogenation
Regenerability	Can Be Regenerated Multiple Times Without Significant Loss Of Activity

Applications:

The C3 Selective Hydrogenation Catalyst is perfect for use in various scenarios. For example, it can be used in refineries for the selective hydrogenation of C3 hydrocarbons. The catalyst is highly effective in converting propyne and butyne into propene and butene, respectively. This process helps in reducing the negative impact of these compounds on downstream processes. The catalyst can also be used in the production of high-quality gasoline and other petrochemical products.
The C3 Selective Hydrogenation Catalyst is also suitable for use in the production of polypropylene. The catalyst can be used in the hydrogenation of C3 olefins to increase the propene selectivity. This process helps in the production of high-quality polypropylene with improved mechanical properties.
In addition, the C3 Selective Hydrogenation Catalyst can be used in the production of various chemicals such as acrylic acid, acrolein, and acrylonitrile. The catalyst can selectively hydrogenate C3 hydrocarbons to produce propene, which serves as a feedstock for the production of these chemicals.
In summary, the C3 Selective Hydrogenation Catalyst, model number KMH-03, is a highly effective product of China that has excellent stability under harsh conditions. It is suitable for use in various applications such as the selective hydrogenation of C3 hydrocarbons, the production of polypropylene, and the production of various chemicals. The catalyst has a uniform pore size distribution and a spherical shape, which makes it easy to use in various scenarios.

Packing and Shipping:

Product Packaging:
1 kg plastic jar
5 kg plastic bucket

25 kg fiber drum
Shipping Information:
Ships via air or sea
International shipping available
Shipping rates vary based on location and weight

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