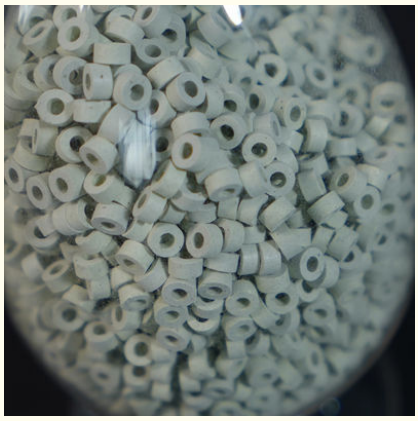
C4/C5 Hydrogenation Catalyst Industrial Grade For Oil Refining H2 And Nickel Catalyst

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: C4/C5 Hydrogenation Catalyst
- Model Number: KMH-04/05



Product Specification

- Bulk Density: 0.65-0.75 G/cm3
- Particle Size: 1.5-3.0 Mm
- Operating Temperature: 150-250°C
- Operating Pressure: 1-10 MPa
- Active Component: Pd, Pt, Ni, Or Co
- Active Component Loading: ≥ 2 Wt%
- Appearance: Gray Or Black Cylindrical Particles
- Catalyst Lifespan: ≥ 3 Years
- Highlight: **c4/c5 hydrogenation catalyst industrial grade**, **c4 h2 and nickel catalyst**, **c5 h2 and nickel catalyst**

Product Description

Product Description:

The C4/C5 Hydrogenation Catalyst has a particle size of 1.5-3.0 mm, which makes it suitable for use in fixed-bed reactors. It has a long lifespan of ≥ 3 years, which means that it is a reliable and cost-effective choice for industrial applications. In addition, this catalyst is supported by either alumina or silica-alumina, which provides excellent stability and resistance to deactivation.
One of the key benefits of the C4/C5 Hydrogenation Catalyst is its ability to remove butadiene from various feedstocks. Butadiene is a highly reactive compound that can cause a range of issues in industrial processes. It can lead to the formation of coke and other undesirable byproducts, which can reduce the efficiency of the process and increase operating costs. By using the C4/C5 Hydrogenation Catalyst, these issues can be avoided, resulting in better process performance and lower operating costs.
In summary, the C4/C5 Hydrogenation Catalyst is an excellent choice for anyone looking to remove butadiene from hydrocarbon streams. Its high performance, long lifespan, and excellent stability make it a reliable and cost-effective choice for industrial applications. Whether you are looking to improve process efficiency or reduce operating costs, the C4/C5 Hydrogenation Catalyst is a great option to consider.

Features:

Product Name: C4/C5 Hydrogenation Catalyst
Hydrogenation Selectivity: ≥ 95%
Operating Pressure: 1-10 MPa
Catalyst Lifespan: ≥ 3 Years
Pore Diameter: 30-80 Å
Support Material: Alumina Or Silica-alumina
Key Features:
Highly selective hydrogenation catalyst
Effective for butadiene removal
Suitable for saturation hydrogenation reactions

Technical Parameters:

Saturation Hydrogenation Catalysts	C4/C5 Hydrogenation Catalyst
Support Material Content	≥ 90 Wt%
Bulk Density	0.65-0.75 G/cm3
Surface Area	≥ 150 M2/g
Support Material	Alumina Or Silica-alumina
Operating Pressure	1-10 MPa
Active Component	Pd, Pt, Ni, Or Co
Catalyst Lifespan	≥ 3 Years
Particle Size	1.5-3.0 Mm
Pore Diameter	30-80 Å
Pore Volume	≥ 0.35 ML/g
Application	Saturation hydrogenation catalysts, alkyne to recover butene

Applications:

The C4/C5 Hydrogenation Catalyst is an ideal choice for butadiene removal in various feedstocks such as naphtha, FCC gasoline, and pyrolysis gasoline. It has excellent selectivity and activity in the hydrogenation process, which can effectively reduce the butadiene content in the feedstock to less than 1 ppm. The catalyst has a high degree of stability and is suitable for long-term operation.
The C4/C5 Hydrogenation Catalyst is made of high-quality materials and has a uniform gray or black cylindrical particle appearance. The particle size is 1.5-3.0 mm, which is suitable for use in fixed-bed reactors. The operating pressure of the catalyst is 1-10 MPa. The active component loading is ≥ 2 wt%, and the support material content is ≥ 90 wt%.
The C4/C5 Hydrogenation Catalyst is a type of saturation hydrogenation catalyst with high activity and selectivity. It can efficiently remove butadiene in the feedstock and improve the quality of the final product. This catalyst is suitable for use in various occasions and scenarios, including but not limited to:
Refineries: The C4/C5 Hydrogenation Catalyst is used in refineries for butadiene removal in the feedstock. It can help to reduce the risk of equipment corrosion and improve the quality of the final product.
Petrochemical plants: The C4/C5 Hydrogenation Catalyst is used in petrochemical plants for butadiene removal in the C4/C5 fractions. It can improve the quality of the downstream products and reduce the environmental impact.
Chemical plants: The C4/C5 Hydrogenation Catalyst is used in chemical plants for butadiene removal in the feedstock. It can help to improve the quality of the final product and increase the yield.

Oil and gas production: The C4/C5 Hydrogenation Catalyst is used in oil and gas production for butadiene removal in the feedstock. It can improve the quality of the final product and reduce the risk of equipment corrosion.

In summary, the C4/C5 Hydrogenation Catalyst is a highly efficient and stable catalyst for butadiene removal in various feedstocks. It has excellent selectivity and activity, and it is suitable for use in different occasions and scenarios. With its high-quality materials and uniform appearance, this catalyst is an ideal choice for the refining and petrochemical industries.

Packing and Shipping:

Product Name: C4/C5 Hydrogenation Catalyst
Product Description: This catalyst is designed for the selective hydrogenation of C4 and C5 olefins to saturates.
Packaging: The catalyst is packaged in 25 kg steel drums lined with polyethylene bags.
Shipping: The product is shipped in 20-foot containers with a maximum weight of 25 metric tons. The containers are sealed and secured to prevent any damage during transportation.

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