

Global Hydrogenation Catalyst Market by Manufacturers, Regions, Type and Application, Forecast to 2023

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Abstracts

Hydrogenation catalyst is a type of catalyst that is to treat with hydrogen – is a chemical reaction between molecular hydrogen (H₂) and another compound or element, usually in the presence of a catalyst such as nickel, palladium or platinum. The process is commonly employed to reduce or saturate organic compounds. Hydrogenation typically constitutes the addition of pairs of hydrogen atoms to a molecule, often an alkene. Catalysts are required for the reaction to be usable; non-catalytic hydrogenation takes place only at very high temperatures. Hydrogenation reduces double and triple bonds in hydrocarbons.

Scope of the Report:

This report focuses on the Hydrogenation Catalyst in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Hydrogenation catalysts are catalysts used in the Hydrogenation. Hydrogenation catalyst is a type of catalyst that is to treat with hydrogen – is a chemical reaction between molecular hydrogen (H₂) and another compound or element, usually in the presence of a catalyst such as nickel, palladium or platinum. The process is commonly employed to reduce or saturate organic compounds. Hydrogenation typically constitutes the addition of pairs of hydrogen atoms to a molecule, often an alkene. Hydroprocessing is the name given to a series of chemical reactions that take place as part of oil refining, and include hydrogenation, hydrocracking and hydrotreating. Hydroprocessing is necessary to remove pollutants like sulfur, nitrogen and heavy metals from fuel oils, as well as in the process of catalytic hydrocracking, where large hydrocarbon molecules are cracked into shorter ones that can be used as fuel oils.

Hydrogenation catalyst is a high technical barrier market with limited suppliers. Market concentration is high. The top 3 players Advanced Refining Technologies (ART), Albemarle and Criterion takes a combined global market share of 42.12% in 2016. Other suppliers like Haldor Topsoe, UOP (Honeywell) and Sinopec takes a smaller share in the market.

Globally, production of hydrogenation catalyst is concentrated in USA, Europe, etc. while consumption of hydrogenation catalyst is widely spread in global market. The market in emerging countries, like China, Southeast Asia and Middle East in projected to be new growing point, while market in Europe is more modest in terms of stable light oil demand in European countries.

Hydrogenation catalyst can be broadly categorized as transition metal based catalysts, noble metal based catalyst in terms of composition. Transition metal based catalyst is the major type of catalyst which takes market share of 87.78% in 2016.

Hydrogenation catalyst is used in process of Refining, Petrochemicals, Oil & Fat Hydrogenation and others. Report data showed that 64.10% of the Hydrogenation catalyst market demand in Refining, 17.27% in Petrochemicals, and 11.07% in Oil & Fat Hydrogenation in 2016. With the development of economy, these industries will need more Hydrogenation catalyst. So, Hydrogenation catalyst has a huge market potential in the future. Manufacturers engaged in the industry are trying to produce high quality Hydrogenation catalyst through improving manufacturing process. It is predicted that high quality Hydrogenation catalyst will become the mainstream product in the future.

The worldwide market for Hydrogenation Catalyst is expected to grow at a CAGR of roughly 3.2% over the next five years, will reach 3460 million US\$ in 2023, from 2870 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

BASF

Clariant

Evonik

Advanced Refining Technologies (ART)

Criterion

Johnson Matthey

Axens

UOP

Haldor Topsoe

Albemarle

Sinopec

CNPC

SJEP

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Transition Metal Based Catalysts

Noble Metal Based Catalyst

Other

Market Segment by Applications, can be divided into

Refining

Petrochemicals

Oil & Fat Hydrogenation

Other

There are 15 Chapters to deeply display the global Hydrogenation Catalyst market.

Chapter 1, to describe Hydrogenation Catalyst Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Hydrogenation Catalyst, with sales, revenue, and price of Hydrogenation Catalyst, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Hydrogenation Catalyst, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Hydrogenation Catalyst market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Hydrogenation Catalyst sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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