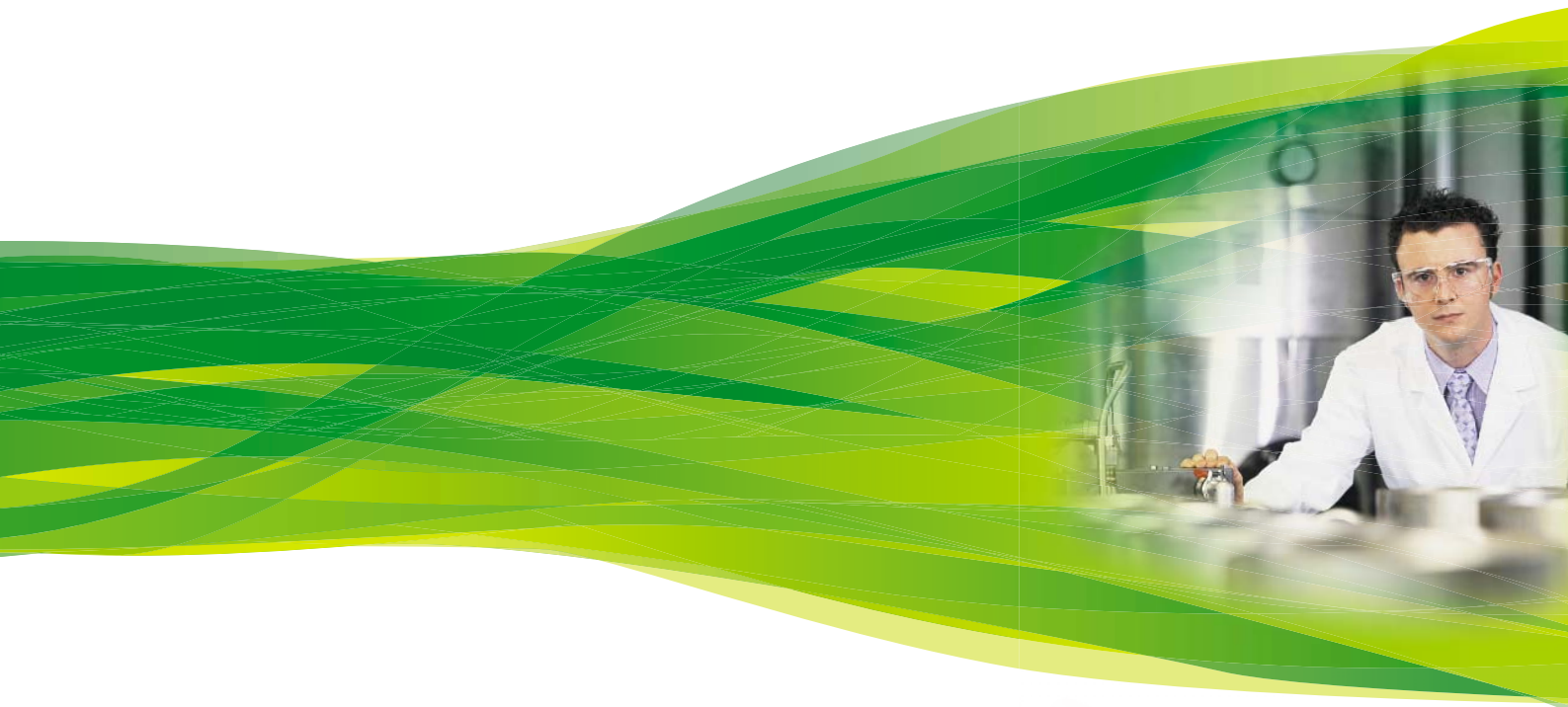


Catalysts for Oleochemicals



Johnson Matthey
Catalysts

Our objective is to give you a distinct competitive edge

In **oleochemical** hydrogenation, even a small gain in efficiency can yield dramatic results.

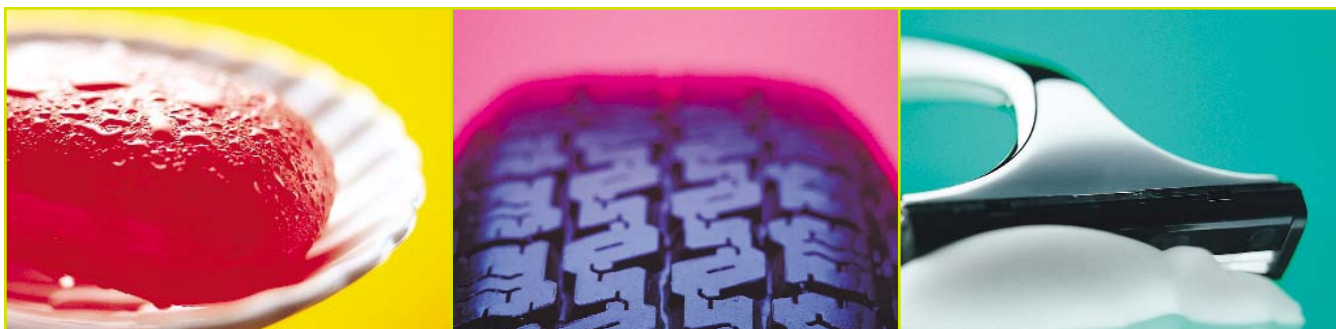
A **high quality** catalyst that gives consistent results time and time again, can help you achieve that gain in efficiency.

At Johnson Matthey Catalysts, we supply a range of catalysts to suit whatever hydrogenation system and raw materials you use – all with unparalleled **reliability** and **repeatability** of performance.

Our catalysts and our comprehensive technical service combine to focus on one objective: **to help you gain a distinctive competitive edge.**



Products



PRICAT 9912 – fatty acid hydrogenation.

Standard grade fatty acid hydrogenation catalyst for use in a variety of fatty acid feedstocks.

PRICAT 9932 – fatty acid hydrogenation.

Fatty acid hydrogenation catalyst with high activity and excellent resistance to catalyst poisons and nickel leaching.

PRICAT 9938 – fatty acid hydrogenation.

Our highest activity catalyst for fatty acid hydrogenation. Enables the users to reduce catalyst dosage or reaction time.

PRICAT 9936 – dual-purpose catalyst.

For plants who process mixed feedstocks and want everything from one grade of catalyst. This is suitable for hydrogenation of fatty acids or triglycerides of all qualities.

PRICAT 9910 – full hydrogenation of triglycerides.

For those who hydrogenate before splitting into the fatty acids, this catalyst will give the best performance.

Tailor-made catalysts

Johnson Matthey Catalysts can also offer tailor-made catalyst to suit individual customer requirements. Adjustments made to the catalyst can range from addition of filter-aid, to a change in the activity to suit a particular reaction.



Other Technologies

There are a range of other catalysts and technologies within Johnson Matthey Catalysts that can be applied in the oleochemical industry.

- Fixed bed hydrogenation
- Platinum Group Metal hydrogenation catalysts
- Methyl esters
- Fatty amines
- Environmental and purification catalysts
- Hydrogen generation
- And more...

If you have an interest in any of these areas please talk to your local Johnson Matthey Catalyst representative.

Technical Service

The experience within the Johnson Matthey Catalysts Edible Oil group dates back to the beginning of hydrogenation of oils and fatty acids with inventor Dr. Wilhelm Normann. Our knowledge and expertise is available to our customer as part of our exemplary technical service. Whether it is a new catalyst for a novel reaction or trouble-shooting a process problem, we can help.

Quality and Consistency

Our goal - Top quality catalyst that is the same every time.

Detailed laboratory analysis and testing of manufactured catalyst in real hydrogenation reactions ensure that we supply catalyst of constant, high quality. However, before the product is even finished, quality is being assessed and checked. Our improved manufacturing processes use sophisticated tools and methods - such as statistical process control - to make the most consistent catalyst on the market today.

Johnson Matthey Catalysts



- a new name in oleochemicals, but with years of experience!

The world's largest fabricator and distributor of platinum group metals has now added base metal catalysts to its portfolio, following the acquisition of Syntex in 2002. The **PRICAT** range of nickel hydrogenation catalysts for use in edible oils and oleochemicals, offer superior activity, consistency and selectivity along with unparalleled technical support.

Johnson Matthey was founded in 1817 as a company specializing in precious metals. Close to two centuries later, it is the world's leading precious metals refiner. From a company that traded and dealt in the precious metals, it developed into a company finding uses for the metals and manufacturing products as diverse as catalytic converters for the car and anti-cancer drugs for the body. It is now one of the largest catalyst companies in the world.

For further information on Johnson Matthey Catalysts, contact your local sales office or visit our website at www.jmcatalysts.com.
PRICAT is a trademark of the Johnson Matthey Group of companies.

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