



HeraPur® High-class Catalysts from Heraeus

High efficiency for a cleaner tomorrow

In the chemical industry it is nearly impossible to find a process which runs without a catalyst. This widespread prevalence is easily explained if one examines their exceptionally advantageous properties more closely. A catalyst accelerates chemical reactions, increases the reaction yield at reduced energy input and afterwards remains unchanged.

Our product programme comprises chemical catalysts, emission control catalysts and special catalysts. Various support systems and coatings, individually tailored to customers' requirements, serve as the basis.

The products are used, for instance, in the petrochemical industry for the production of aromatic compounds, in the manufacture of high-purity technical gases or in fuel cells. Emission control catalysts are offered for small engines, motorcycles and automobiles, commercial vehicles, ships and industrial diesel engines. Furthermore, they are used worldwide in the purification of industrial exhaust gases.

The Heraeus all-inclusive catalysts package

Service

Customer-specific solutions, which go beyond the use of standard catalysts, require an individual catalyst optimisation. Close cooperation between the Heraeus development laboratory and the customer enable tailor-made solutions.

Toll production of catalysts

Besides own developed catalysts, Heraeus also manufactures catalysts according to customer specifications under toll contracts.

Refining

Spent precious metal catalysts are reprocessed economically with a high recycling yield in our modern refineries. The reclaimed precious metal can be used again for the manufacture of new catalysts.

Analysis

Our central laboratory provides the determination of precious metal contents and the characterisation of precious metal catalysts with the most modern techniques.

Six reasons why customers prefer Heraeus catalysts:

- our all-inclusive catalysts package
- accessible and reliable technical support
- variety of production sizes and design criteria
- first-class research and development facilities
- extensive experience
- custom-made catalysts

Precious metal trading







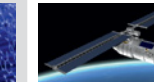
Heraeus is the global market leader in precious metal trading via our trading centres in Hanau, New York and Hong Kong. Besides the business of buying and selling, financing models on the basis of precious metal leasing can be offered to our catalyst customers.

ISO standards

Heraeus meets the highest requirements for quality management and environmental protection.

Our quality management system has been certified by the TÜV SÜD Management Service GmbH in accordance with ISO 9001:2008 and we have also achieved certification for our pioneering environmental management system in accordance with ISO 14001:2004.



Environmental catalysts				Chemical catalysts		
Small engines	Motorcycles	System integrators	Special applications	Gas purification	Process catalysts	Special applications
						
<ul style="list-style-type: none"> ■ lawn mowers ■ trimmers ■ chain saws 	<ul style="list-style-type: none"> ■ motorcycles ■ scooters ■ ATVs 	<p>diesel off-road:</p> <ul style="list-style-type: none"> ■ construction vehicles ■ agricultural machines <p>on-road:</p> <ul style="list-style-type: none"> ■ retrofit ■ aftermarket ■ motorsports 	<ul style="list-style-type: none"> ■ roasters ■ smokehouses ■ appliances 	<p>ultra-pure gases:</p> <ul style="list-style-type: none"> ■ CO₂ ■ N₂O ■ CH₄ ■ N₂-purification in PET ■ VOC 	<p>chemical intermediates:</p> <ul style="list-style-type: none"> ■ H₂O₂ ■ plastics ■ pesticides ■ polymers ■ petrochemicals ■ pharmaceuticals 	<ul style="list-style-type: none"> ■ satellites and rockets ■ submarine rescue systems ■ TOC analysers

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