

## Product Information

# Noblyst® 1529

### Palladium on alumina fixed bed catalyst

#### PRODUCT DESCRIPTION

Noblyst® 1529 is a highly active palladium on alumina catalyst for fixed bed applications in the liquid phase.

The palladium is finely distributed predominately in the outer zone of the activated alumina. Owing to its high activity, the catalyst permits operation at low temperatures and high space velocities.

#### Typical Properties

Property	Unit	Value
Appearance		Brownish pellets
BET Surface Area	m <sup>2</sup> /g	70-100
Bulk Density	kg/m <sup>3</sup>	600-760
Pore Volume	ml/g	0.6-0.8
Product Dimensions		2.0-4.0 mm

The data represents typical values (no product specification)

#### TYPICAL APPLICATIONS

- Selective Hydrogenation of Olefinic Bonds
- Hydrogenation of methylacetylene and propadiene (MAPD)

#### Product Composition

Product Composition	Unit	Value
Palladium (Pd) Content	wt%	0.1

The data represents typical values (no product specification)

#### BENEFITS & ADVANTAGES

- high activity and selectivity
- high olefine purity and yield
- long catalyst lifetime
- minimized precious metal loading and high recovery rate
- full precious metal service loop
- development of tailor-made catalysts in the context of an exclusive project possible

#### HANDLING & PROCESSING

no activation required

#### PACKAGING

Noblyst® 1529 is supplied in 210 liter steel drums, net weight is approx. 100 kg

#### STORAGE

Drums should be protected from freezing, not exposed to direct sunlight and stored in a dry place

#### SHELF LIFE

Subject to the appropriate storage conditions, the shelf life of Noblyst® catalysts in sealed original drums is > 3 years from date of shipment.

#### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

#### Evonik Operations GmbH

Catalysts  
Rodenbacher Chaussee 4  
63457 Hanau  
Germany  
Phone +49 6181 59-13399  
Fax +49 6181 59-2699  
[catalysts@evonik.com](mailto:catalysts@evonik.com)  
[evonik.click/catalysts](https://evonik.click/catalysts)