Product Information

Noblyst® P1092

PRODUCT DESCRIPTION

Noblyst® P1092 5% Pd is a palladium on activated carbon catalyst for batch and continuous batch processes.

This catalyst shows superior catalytic performance along with excellent filtration properties. It can be produced at any one of our five production sites globally.

Typical Properties

Property	Unit	Value
Appearance		black, very fine powder
Support		activated carbon

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

- Hydrogenation of CC Bonds, such as:
  CC Double Bonds
  CC Triple Bonds to Aliphatics
- Hydrogenation on CN Bonds, such as:
  CN Triple Bonds to Primary Amines
  CN Triple Bonds to Aldehydes
- Hydrogenation of C=O Bonds, such as:
  Aromatic Carbonyls to Alkyls
- Reductive Alkylation and Amination, such as:
  Aldehydes and Ketones to Primary Amines
  Aldehydes and Ketones to Secondary Amines
- Hydrogenation of Aromatics, such as: Heteroaromatics
- CC Coupling Reactions, such as:
  Heck Reaction and Suzuki-Coupling

Product Composition

Product Composition	Unit	Value
Palladium (Pd) Content	wt%	5

The data represents typical values (no product specification)

Product Composition

Product Composition	Unit	Value
Water Content, max.	wt%	65

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BENEFITS & ADVANTAGES

Depending on the business model, Evonik may provide the following additional services:

- Technical support including handling recommendations and safety data sheets
- Spent catalyst analytics
- Development of customized catalysts in the context of a project

Evonik provides the full precious metal service loop including:

- Precious metal sales and purchasing
- Refining services
- Leasing and financing
- Related services, e.g. swaps, transfers, logistical assistance

PACKAGING

Noblyst® P1092 5% Pd is delivered as a water wet, free flowing powder in 210 liter (55 gallon) steel drums with polyethylene bag liners.

For large volumes special packaging is available upon request.

STORAGE

Drums should be protected from freezing, not exposed to direct sunlight and stored in a dry place between 5 and 30°C (40 to 83°F).

SHELF LIFE

Subject to the appropiate storage conditions, the shelf life of Noblyst® catalysts in sealed orginal 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.

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