Metalyst®

Product Information

Metalyst® 113

PRODUCT DESCRIPTION

Metalyst® 113 is an activated nickel powder catalyst for slurry processes.

This catalyst is used in liquid phase reactions operated as batch, semi-batch or continuous process.This product is suitable for stirred tank reactors and loop reactors with most of the applications being hydrogenation reactions.

Below reactions represent only some examples of the numerous applications this versatile catalyst can support.

Typical Properties

Property	Unit	Value
Appearance		Gray, black slurry in water
Particle Size D50	µm	48
pH Value		8-11

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

- Hydrogenation of Nitro Groups
- Hydrogenation of CN Triple Bonds to Primary Amines
- Reductive Alkylation and Amination

Product Composition

Product Composition	Unit	Value
Nickel (Ni) Content	%	≥90

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

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

- Technical support around the globe including handling recommendations, safety data sheets, literature, samples, etc.
- Development of tailor-made catalysts in the context of an exclusive project

HANDLING & PROCESSING

No activation required

PACKAGING

- Metalyst® 113 is delivered as a slurry in 60 liter steel drums
- 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

Best before 24 month after manufacturing

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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