

Metalyst™ MC 512

Activated Nickel Powder Catalyst

Metalyst™ MC 512 is an activated nickel powder catalyst for slurry processes doped with chromium and iron.

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.

Applications:

- Hydrogenation of CN Triple Bonds to Primary Amines
- Hydrogenation of CN Double Bonds (Imines)
- Hydrogenation of Aromatics

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

Physical-Chemical Properties

Properties	Unit	Value
Appearance	-	Black, very fine powder slurry
Ni content	wt. %	86
pH value	-	< 11
D50 Particle Size	µm	32
Promoters	-	Cr, Fe

Packaging

- Metalyst™ MC 512 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).

Activation

Not required.

Additional services

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

Evonik Industries has been a leader in chemical catalysts for more than 75 years. Now as before, customers all over the world rely on Evonik as a competent and trusted partner. Today Evonik is a fully integrated partner in catalysis, featuring homogeneous and heterogeneous catalysis. This makes Evonik unique, and gives our customers the flexibility of finding the most cost efficient solution for their needs. Working with Evonik means having direct access to our regional technical and commercial organization. With a passion for the catalyst business our experienced teams strive for quick response times and high quality tailored solutions to your catalyst topic.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Resource Efficiency GmbH

Business Line Catalysts
Rodenbacher Chaussee 4
63457 Hanau
Germany
PHONE +49 6181 59-13399
FAX +49 6181 59-2699
catalysts@evonik.com
www.evonik.com/catalysts