

Product Information

Metalyst® 911

Activated Nickel Foam Catalyst

PRODUCT DESCRIPTION

Metalyst® 9 series are Evonik's innovative catalyst solution for hydrogenations in gas and liquid phase fixed bed processes. These activated Nickel catalysts come in a unique foam shape that offers very high activity - due to its open structure - and light weight (low bulk density) at remarkable mechanical strength.

Typical Properties

Property	Unit	Value
Appearance		Black, uniform shaped, porous cuboids under water
pH Value		≤10.5
Product Dimensions		4*4*1.9 mm

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Fixed bed processes in gas and liquid phase, like:

- Hydrogenation of Olefins to Alkanes
- Hydrogenation of Butynediol to Butanediol
- Hydrogenation of Nitriles to the corresponding Amines
- Hydrogenation of Carbonyl Groups to the corresponding Alcohols

Product Composition

Product Composition	Unit	Value
Nickel (Ni) Content	%	≥85

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Non-pyrophoric - easy handling
- Mechanically stable, regularly shaped catalyst particles
- Low bulk density: substantially less metal required
- Low pressure drop in catalyst bed
- Increased activity due to highly porous structure
- High selectivity - significantly reduced by-products

PACKAGING

- Metalyst® 911 is delivered as a bulk material under water in 212 liter steel drums with inner epoxy coating (60 kg catalyst)
- 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

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