

## Product Information

# Metalyst® MC 981

## Activated Nickel Foam Catalyst, Molybdenum-doped

### PRODUCT DESCRIPTION

Metalyst® MC 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  |
| Promoters          |      | Mo  |

The data represents typical values (no product specification)

### TYPICAL APPLICATIONS

Hydrogenations in gas and liquid phase fixed bed processes:

- Hydrogenation of Sugar to Sugar Alcohols
- Hydrogenation of Butynediol to Butanediol
- Hydrogenation of CC Double Bonds
- Hydrogenation of Carbonyl Groups to 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™ MC 981 is delivered as a bulk material under water in 120 liter steel drums
- 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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