

# Actimet™ M

## Activated Skeletal Nickel Catalyst

### Description

BASF's Actimet™ catalysts are produced by dissolving the inactive components from mixed metal alloys, according to a process of the type developed by Raney. The properties of the skeletal metal catalyst are determined by the choice of metals, the leaching and washing procedures as well as the presence of promoters.

BASF has the capability to produce a wide range of different customized skeletal metal catalysts. Samples are available for immediate shipping.

BASF's Actimet™ M is a skeletal, nonpromoted nickel catalyst, used in a wide variety of hydrogenation reactions. The catalyst is highly accessible with excellent settling properties and is active at low temperatures (20–100°C).

BASF Actimet™ M catalyst is supplied immersed in water to protect it from air oxidation. In a dry state, it is pyrophoric.

### Availability

Research and commercial quantities are available directly from BASF.

### Typical Applications

BASF Actimet™ M is a versatile catalyst that is recommended for use in the hydrogenation of aromatics (benzene, phenol) and other olefinic compounds, such as the conversion of sulfolene into sulfolane. Actimet™ M also enables the reduction of carbonyl groups and the ammonolysis of alcohols such as the conversion of 1,6-hexanediol to hexamethylenediamine.

### Packaging

- 25 kg net in 64-liter steel drums
- Other packaging sizes available upon request

### Target Properties

Nickel	93 wt%
Alumina	7 wt%
Molybdenum	Max. 0.2 wt%
Particle Size Distribution	95% within 0–80 microns
Average Particle Size	35 microns
pH of Supernatant	11

## About Us

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts and adsorbents, refinery catalysts and custom catalysts. In the process catalysts business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

The division's portfolio also includes battery materials and recycling solutions, as well as environmental catalysts and metal solutions. Customers from a variety of industries including Automotive & Transportation, Chemicals, Plastics or Energy & Resources benefit from our innovative solutions. Further information on BASF's Catalysts division is available on the Internet at [www.catalysts.basf.com](http://www.catalysts.basf.com).

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