

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's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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