



The Chemical Company

Product Data Sheet

Low NO_x Promoter (LNP)

Environmental Fluid Catalytic Cracking (FCC) additive for low NO_x promotion

BASF Catalysts proudly introduces Low NO_x Promoter (LNP) for the catalytic oxidation of CO to CO₂ in an FCC regenerator at low NO_x emission.

Premium Technology

LNP provides catalytic oxidation of CO to CO₂ at minimum NO_x emissions. The more complete oxidation of CO to CO₂ in the FCC regenerator dense phase significantly reduces afterburn-uncontrolled oxidation of CO to CO₂ in the dilute phase. In addition to afterburn control, the NO_x produced is significantly reduced compared to platinum-based CO promoters by up to 70 percent.

Maximum Results by Design

LNP has been developed using knowledge derived from BASF's automotive catalyst business. This knowledge of materials and NO_x chemistry is the result of many years of research and development. BASF Catalysts' design and manufacturing expertise provides LNP with the chemical and physical stability required for effective CO oxidation at reduced NO_x emissions combined with a long half life.

Combining the Benefits

Maximum NO_x reduction from an FCC regenerator off-gas can be achieved by utilizing both LNP and BASF Catalysts' CLEANOx[®] Low NO_x Additive. CLEANOx removes NO_x in the FCC regenerator by converting it to nitrogen. In combination with the catalytic NO_x reduction by CLEANOx, LNP will reduce NO_x production to achieve extremely low NO_x emissions from the FCC regenerator.

Packaging

- 2, 5, or 10 lb bags in pails or drums
- 40 lb pails
- 55 gallon drums
- 1 ton super sacks
- 1 ton tote bins

Typical Properties

Density

ABD, g/cm ³	1.2
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Particle Size*

APS, μm	75
0-40, %	8

*Particle size distribution is customized to optimize performance depending on individual FCC unit requirements.

About BASF

BASF Catalysts is the Global Leader in Catalysis, and is part of BASF - The Chemical Company. By leveraging our industry-leading R&D platforms, BASF's global research infrastructure and our passionate pursuit of innovation, we develop unique, proprietary technologies that drive customer success. Our catalytic solutions cover a wide range from chemical and refinery processes, to adsorbents and mobile emissions. In addition, we offer broad experience in trading base and precious metals.

BASF - The Chemical Company

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