



The Chemical Company

Product Data Sheet

CLEANOx[®]

Environmental Fluid Catalytic Cracking (FCC) additive for reduced NO_x emissions

BASF Catalysts proudly introduces the premier FCC additive for NO_x emission reduction, CLEANOx, designed to meet the ever-tightening air quality limits on FCC regenerator off-gas emissions.

Premium Technology

CLEANOx uses a novel combination of active materials for NO_x adsorption and reduction to remove NO_x and convert it to nitrogen. This process takes place in the FCC regenerator and reduces the NO_x content of the regenerator off gas by up to 80 percent with minimal effect on yields. CLEANOx is effective in conjunction with both platinum and non-platinum CO promoters. Its stability allows for continued NO_x reduction even after additive additions have ceased.

Maximum Results by Design

CLEANOx 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. The design and manufacturing of CLEANOx provides the chemical and physical stability required for a long half life combined with effective NO_x reduction.

Combining the Benefits

The combination of CLEANOx with BASF Catalysts' Low NO_x promoter (LNP) will result in the lowest achievable NO_x emissions. This is due to lower NO_x production resulting from CO oxidation by LNP and the direct reduction of NO_x by CLEANOx.

Packaging

- 55 gallon drums
- 1 ton tote bins
- 1 ton supersacks

Typical Properties

Density

ABD, g/cm ³	1.1
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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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