



The Chemical Company

## Product Data Sheet

# Maximum Olefins Additive (MOA)

Fluid Catalytic Cracking (FCC) additive for maximum LPG olefins and gasoline octane enhancement

BASF Catalysts proudly introduces the next generation of ZSM-5 based additives which flexibly and cost-effectively maximize LPG olefins and gasoline octane from the FCCU.

### Premium Technology

ZSM-5 based additives convert linear or near-linear gasoline range olefins into LPG olefins in combination with increasing gasoline octane. MOA maximizes both of these objectives at low dry gas make and the lowest fines make.

### Maximum Results by Design

MOA is designed and manufactured to create a matrix structure that maximizes conversion at high performance retention and stability. Excellent attrition resistance is another benefit resulting from BASF Catalysts' production expertise.

### Combining the Benefits

Additional benefit can be achieved by matching MOA with BASF Catalysts' Distributed Matrix Structure (DMS)-based FCC catalysts. The greater selectivity of our DMS-based FCC catalysts increases the gasoline range olefins make. This enhances the ability of MOA to produce even more LPG olefins and increase gasoline octane.

### Packaging

- 55 gallon drums
- 1 ton super sacks
- 1 ton tote bins
- Bulk (greater than 15 tons)

### Typical Properties

#### Surface Area

TSA, m <sup>2</sup> /g	105
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#### Chemical Composition

Na <sub>2</sub> O, wt. %	0.20
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#### Density

ABD, g/cm <sup>3</sup>	0.80
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#### Particle Size\*

APS, μm	89
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0-40, %	10
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\*Particle size distribution is customized to optimize performance depending on individual FCC unit

## 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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