



The Chemical Company

## Product Data Sheet

# EZ Flow™

## Fluid Catalytic Cracking (FCC) additive for improving catalyst circulation

BASF Catalysts proudly introduces EZ Flow, an FCC additive to improve fluidization characteristics of the FCC catalyst and hence improve catalyst circulation.

### Technology

BASF EZ Flow is designed to have the optimal properties that result in better fluidization behavior (i.e. better fluidization index) of the catalyst inventory. Important additive properties to enable effective fluidization in a circulation-limited unit are average particle size (APS) distribution, concentration of small particles, and bulk density. EZ Flow has a low APS with an optimized proportion of 0-20 micron and 0-40 micron fractions.

### Applications

Improving the fluidization index of a catalyst is important because fluidization behavior determines how a catalyst circulates in a FCC unit. A unit that circulates catalyst poorly is difficult to operate and may run at a lower catalyst-to-oil ratio than desired, thus having an adverse effect on product yields and selectivities.

BASF EZ Flow additive is designed to increase the fluidization index of all FCC catalyst technologies. Advantages of the increased operational flexibility that can be enjoyed while using EZ Flow are increased catalyst circulation rate, improved pressure buildup in the standpipe and a more uniform density. EZ Flow can be charged to the unit prior to start-up or can be introduced during operation.

### Packaging

- 1 ton supersacks
- Bulk (greater than 15 tons)

#### Typical properties

##### Density

ABD, g/cm <sup>3</sup>	0.70
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##### Particle Size\*

APS, μm	85
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0-20, %	8
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0-40, %	35
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\*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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