CATALYSTS

UOP R-134
CCR Platforming™ Catalyst

For use in continuous regeneration reforming units for upgrading naphtha

Description

UOP's R-134 catalyst is a low platinum and low density catalyst used to produce high-octane reformate and hydrogen or aromatics and hydrogen.

Applications

R-134 catalyst is specifically designed for use in continuous regeneration reforming applications at all operating pressures. Continuous regeneration reforming units such as the CCR Platforming™ process uses a moving bed of spherical catalyst to convert low-quality naphtha, in the presence of hydrogen, into motor fuel blending stocks for gasoline, BTX aromatics and high-purity hydrogen for other refinery processes that consume hydrogen.

Experience

R-134 was commercialized in 1993 and currently more than 140 loads have been sold.

Physical Properties

Circulating ABD, lb/ft^3 (kg/m^3)	33.5 (537)
Static ABD, lb/ft^3 (kg/m^3)	35.0 (561)
Nominal diameter, inch (mm)	1/16(1.6)
Shape	Sphere
Metals	Contains Platinum

R-134 catalyst can be supplied in the oxidized or reduced form directly from UOP. Reduced catalyst will provide the fastest start-up and on-spec production. R-134 is also available in a higher Pt version.

Safe Handling and Disposal

The handling, storage, transportation and disposal of R-134 catalyst is subject to governmental regulation, and you must manage R-134 catalyst safely and in accordance with all applicable requirements.

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum 110 kilograms

For more information

www.uop.com



UOP's R-134 catalyst has proven performance with more than 140 loads sold since it was commercialized in 1993.

FEATURES & BENEFITS

R-134 catalyst includes the following features and benefits to help maximize refinery profits:

- Excellent C_5^+ yields for motor fuel applications
- Excellent aromatics yields for BTX applications
- Excellent hydrogen yields
- Moderate coke make from optimized metals content and unique base formulation
- High yield stability over life of catalyst from robust formulation
- Long catalyst life from high strength base and high chloride retention
- Fast delivery from multiple UOP manufacturing locations worldwide including USA, Europe and Asia

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