

# UOP R-334 CCR Platforming™ Catalyst

For use in continuous regeneration reforming units for upgrading naphtha

## Description

UOP R-334 catalyst is a low platinum and low density catalyst used to produce high-octane reformate and hydrogen or aromatics and hydrogen. R-334 employs an enhanced catalyst base manufactured by UOP resulting in lower cracking, improved selectivity and higher yield.

## Application

R-334 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-334 Platforming catalyst is UOP's latest generation introduced in 2013. The new product builds on the success of UOP's proven R-234 Platforming catalyst with over 140 loads sold since its introduction.

## Physical Properties

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

R-334 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.

## Safe Handling and Disposal

The handling, storage, transportation and disposal of R-334 catalyst is subject to governmental regulation, and you must manage R-334 catalyst safely and in accordance with all applicable requirements.

## For more information

[www.uop.com](http://www.uop.com)

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*R-334 is UOP's latest generation long life CCR reforming catalyst with the highest C<sub>5</sub><sup>+</sup>, hydrogen, and aromatics yields. The new product builds on the success of UOP's proven R-234 Platforming catalyst with over 140 loads sold since its introduction.*

## Packaging

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

## FEATURES & BENEFITS

R-334 catalyst includes the following features and benefits to help maximize refining profits relative to other commercially available continuous regeneration reforming catalyst:

- Maximum C<sub>5</sub><sup>+</sup> yields for motor fuel applications
- Maximum aromatics yields for BTX applications
- Maximum hydrogen yields
- Low 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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UOP4516-23a June 2016