

# UOP DEH-24 AND DEH-26 OLEFLEX™ CATALYST

The latest generation of UOP Oleflex catalyst

## OVERVIEW

Designed as a drop-in upgrade for UOP’s existing Oleflex DeH-14 and DeH-16 catalysts, the Oleflex DeH-24 and DeH-26 high selectivity, high activity paraffin dehydrogenation catalysts allow increased production throughput without additional capital investment in reactor equipment.

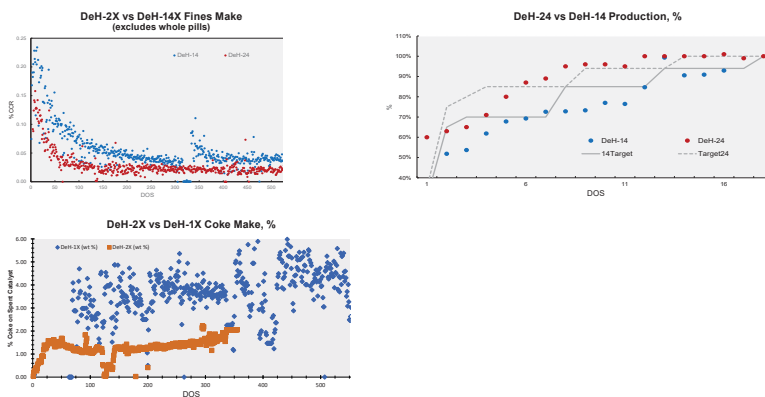
The increased pill diameter of the DeH-2X series allows reactors to process more feed, increasing throughput and production. When paired with the latest generation of reactor screens, the time between screen cleanings can be extended, increasing profitability. In addition, the optimized base formulation demonstrates improved stability and lower coke make coupled with lower rates of attrition.

## APPLICATION

The UOP Oleflex process is used to produce light olefins through the catalytic dehydrogenation of light paraffins. Oleflex technology provides an on-purpose source of polymer grade propylene or isobutylene.

## COMMERCIAL SUCCESS

Developed in response to customer feedback, the Oleflex DeH-2X series has proven itself both in new unit start-ups and as drop-in upgrades to the prior DeH-1X series. Commercial success has been demonstrated with lower coke make, lower fines and faster ramp up to production.



The Oleflex DeH-2X series harnesses UOP learnings from the development of earlier generations of Oleflex catalysts. Having commissioned the first Oleflex unit more than 30 years ago, today over 35 Oleflex units around the world rely on Honeywell UOP technology and expertise.

## TYPICAL PHYSICAL PROPERTIES (NOMINAL)

CATALYST	DEH-24	DEH-26
Shape	Sphere	Sphere
Nominal diameter, mm (in)	1.8 mm (0.07)	1.8 mm (0.07)
ABD, kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	570 kg/m <sup>3</sup> (35.6)	570 kg/m <sup>3</sup> (35.6)
Pt Level (Wt-%)	0.50	0.34

## For more information

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

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UOP-DeH-24-DeH-26-Oleflex-Catalyst-datasheet | 2.0 | 09/22  
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The Next Generation Oleflex catalyst is a drop-in replacement enabling shorter conditioning and improved hydraulic features

## FEATURES & BENEFITS

- Improved hydraulic features
- Higher stability and lower coke make
- Lower fines make
- Rapid unit start-up

## Packaging

- 210 liter (55 U.S. gallon) steel drums
- Net weight per drum: 105 kg (231 lbs)

## Safe Handling and Disposal

The handling, storage, transportation and disposal of Oleflex catalyst are subject to government regulation. You must manage Oleflex catalyst safely and in accordance with all applicable requirements.

