

UOP DI-211 CATALYST

UOP's Diesel Isomerization Catalyst for renewable feedstock processing

UOP is dedicated to meeting the increasing need for high-quality renewable diesel and sustainable aviation fuels. DI-211 catalyst is utilized as part of the single stage Ecofining™ Process for isomerization and selective hydrocracking. This non-noble metal catalyst is designed to maximize the yields of distillate with the flexibility to meet a broad range of the high-quality diesel product specifications.

APPLICATIONS

The Ecofining process is jointly developed by UOP and Eni. It is a single or two-stage hydroprocessing technology for the production of renewable diesel and/or jet fuels. In the two stage design, first stage feedstocks such as vegetable oils and animal fats are hydrogenated to remove the oxygen contained in the triglyceride and/or free fatty acid molecules to produce paraffinic hydrocarbons. In the second stage, the paraffins are isomerized and/or selectively hydrocracked to produce renewable diesel and jet fuel.

FEEDSTOCKS

UOP's DI-211 catalyst can handle a variety of pretreated vegetable oils such as rapeseed, canola, soybean, palm, camelina, pennycress and jatropha, as well as used cooking oil and inedible corn oil. It can also process refined animal fats such as tallow.

TYPICAL PHYSICAL PROPERTIES (NOMINAL)

Shape	Cylinder
Nominal diameter, mm	1.3
Expected bulk density Dense loaded, kg/m ³	918
Metals	Proprietary

PACKAGING

- Steel drums, 113.4 kg net weight



FEATURES AND BENEFITS

UOP's next generation renewable isomerization catalyst DI-211 is utilized as part of the Ecofining Process. The catalyst improves cloud point and cold flow properties of renewable fuels derived from natural oils and animal fats to meet the specifications for Honeywell Green Diesel™.

SAFE HANDLING AND DISPOSAL

The handling, storage, transportation and disposal of DI-211 catalyst are subject to governmental regulation, and you must manage DI-211 catalyst safely and in accordance with all applicable requirements.

For more information

www.uop.com

UOP LLC, A Honeywell Company

25 East Algonquin Road
Des Plaines, IL 60017-5017, U.S.A.
www.uop.com

UOP5964-8 | 01/2021
© 2021 UOP LLC. All rights reserved.
The information in this Honeywell Company document should not be construed as a representation for which UOP assumes legal responsibility, or an authorization or recommendation to practice a patented invention without a license.

Honeywell
UOP