UOP MEROX WS-2™ CATALYST

UOP's High Activity LPG Mercaptan Extraction Catalyst

Merox WS-2 Catalyst is a high activity mercaptan treating catalyst for use primarily in liquid-liquid extraction processes. Merox WS-2 is specially formulated to selectively oxidize mercaptans, improve flow properties, and provide greater catalyst stability.



DESCRIPTION

Merox WS-2 catalyst is a high activity mercaptan treating catalyst for use in the liquid-liquid LPG extraction and sweetening versions of the Merox™ process.

APPLICATIONS

Merox WS-2 catalyst is a specially formulated, high activity catalyst used in liquid-liquid LPG extraction units and sweetening Merox units. Merox WS-2 catalyst selectively oxidizes mercaptans to provide greater Merox treatment efficiency for FCC gasoline and other Merox extraction applications.

EXPERIENCE

Merox No. 10 catalyst is in commercial use at refineries around the world that are processing extremely difficult to sweeten kerosene feedstocks.

TYPICAL PHYSICAL PROPERTIES

Form	Liquid
Color	Deep Blue
Odor	Slight Sweet
Specific gravity at 60°F (15°C)	1.14
Freeze point, °F (°C)	-76 (-60)

PACKAGING

- Sold in packages of two, 2 U.S. gallon (7.6 liter) plastic containers
- 55 U.S. gallon (0.20 m^3) HDPE drums or 330 U.S. gallon (1.25 m^3) HDPE IBCs available upon request

FEATURES AND BENEFITS

The reformulated Merox WS-2 catalyst is commercially proven and enables more consistent operation by providing benefits below while maintaining product specifications.

- High catalyst activity
- Selective for mercaptan oxidation
- Improved catalyst flow properties, resulting in less line plugging and more consistent operation
- Ability to lower unit operating temperature and rate of corrosion
- Lower catalyst freeze point
- Low cost extraction and liquid-liquid sweetening
- Easy handling
- Ready to use

For more information
www.uop.com

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