UOP MEROX PLUS™ CATALYTIC ACTIVATOR

Catalyst Promoter for Optimum Fixed-bed Performance

Merox Plus™ activator is a commercially proven high activity catalyst promoter for use in caustic Merox™ fixed-bed sweetening units.



A high-activity catalyst promoter used to extend the life and activity of Merox catalyst and to enhance the treatment of difficult-to-treat feeds.

APPLICATION

Merox Plus activator enables fixed-bed Merox sweetening catalyst to sustain high initial activity throughout its life. Merox Plus activator increases catalyst activity, allowing for treatment of higher mercaptan content feeds and more difficult to sweeten feedstocks, while maintaining ease of operation. Merox Plus activator improves product quality, insures longer catalyst cycles, allows for operation at lower temperature and reduces caustic and air consumption. Its performance has been demonstrated in both UOP Minalk Merox and conventional fixed-bed Merox sweetening units.

For Merox FB™ and Merox No. 8™ catalyst applications, Merox Plus activator is used depending on need, and it can be used at the end of a normal catalyst cycle to extend run length. For the special Merox No. 10™ catalyst application, Merox Plus activator can be used on a continuous basis to further increase treating performance.

Merox Plus activator is injected in low concentrations (ppm) upstream of the Merox fixed-bed reactor.

Merox Plus activator is supplied as a ready to use liquid for ease of injection and safe handling.

TYPICAL PHYSICAL PROPERTIES

Form	Liquid
Color	Green
Odor	Sweet hydrocarbon
Specific gravity at 60 °F (15 °C)	1.03
Freeze point, °F (°C)	20 (-7)
Pour point, °F (°C)	20 (-7)
Boiling point, °F (°C)	190 (87)
Vapor pressure, mm Hg at 100 °F (38°C)	73

FEATURES AND BENEFITS

Merox Plus catalytic activator provides enhanced Merox sweetening unit flexibility through:

- Increased catalyst activity
- Extended catalyst life
- Lower product mercaptans
- Ability to treat more difficult feeds
- Increased capacity
- Lower operating temperature, air rate, and caustic consumption

PACKAGING

Merox Plus Activator is supplied in 55 gallon (0.20 m^3) HDPE drums containing 200 kg, and 330 gallon (1.25 m^3) HDPE IBC totes

EXPERIENCE

Merox Plus activator is widely used in caustic Merox fixed-bed sweetening applications.

For more information
www.uop.com

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