



## Merox Plus™ Catalytic Activator

### Refining Catalyst

#### Description

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

#### Application

Merox Plus activator enables fixed-bed Merox sweetening catalyst to sustain high initial activity throughout its life. Mercox Plus increases catalyst activity, allowing for treatment of higher mercaptan content feeds and more difficult to sweeten feedstocks, while maintaining ease of operation. Mercox 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, the use of Mercox Plus activator is optional, and Mercox Plus can be used at the end of a normal catalyst cycle to extend run length. For the special Merox No. 10™ catalyst application, Mercox Plus is used on a continuous basis to optimize performance.

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

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

#### Experience

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

#### Features and benefits

Mercox Plus catalytic activator provides enhanced Mercox 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

#### Properties

Appearance	Green liquid
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

#### Packaging

Mercox Plus activator is supplied in 55 gallon (0.20 m³) HDPE drums.

#### For more information

For more information, contact your local UOP representative or our Des Plaines sales office:

e-mail: [info@uop.com](mailto:info@uop.com)  
fax: +1-847-391-2253  
phone: +1-847-391-2000