



Merox CF™ Catalytic Activator

Refining Catalyst

Description

Merox CF™ is a commercially proven high activity catalytic promoter developed for use in Caustic-Free Merox™ sweetening units.

Application

Merox CF activator is used in combination with Caustic-Free Merox catalyst to achieve the sweetening of liquid hydrocarbons in the absence of a strong base (NaOH). The high activity of UOP's Caustic-Free Merox catalyst system facilitates the oxidation of mercaptans to occur in a weak alkaline environment, using ammonia (NH₃). Its performance has been demonstrated in both gasoline and kerosene/jet fuel applications.

Merox CF is used with Merox No. 21™ catalyst to sweeten FCC gasolines, light straight run naphthas, and NGL. Mercox CF is employed with Merox No. 31™ catalyst for kerosene/jet fuel sweetening.

Mercox CF activator is injected continuously in low concentrations (ppm) upstream of the Caustic-Free Merox fixed-bed reactor.

Experience

Mercox CF activator is in operation in numerous Caustic-Free Merox sweetening units since 1990.

Features and benefits

Mercox CF catalytic activator assists in providing:

- Caustic-free sweetening of gasolines and kerosenes
- Increased catalyst activity
- Extended catalyst life
- Low product mercaptans
- Supplied as a ready to use liquid for convenience, ease of injection, and safe handling

Properties

Appearance	Green liquid
Odor	Ammonia-like
Specific gravity at 60 °F (15 °C)	0.99
Freeze point, °F (°C)	29 (-2)
Vapor pressure, mm Hg at 100 °F (38 °C)	31

Packaging

Mercox Plus activator is supplied in 55 gallon (0.20 m³) HDPE drums, or 330 gallon (1.25 m³) HDPE IBCs.

For more information

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

e-mail: info@uop.com
fax: +1-847-391-2253
phone: +1-847-391-2000