



Eliminate the last few PPM
recombinant mercaptan from
hydrotreated FCC gasoline.

EXOMERSM Technology for
Rounding Up the Last Few

PPM Sulfur

Are you having a problem rounding up and eliminating the last few ppm mercaptans from your FCC gasoline? Are you concerned about meeting future gasoline sulfur regulations? Merichem has a solution for you, EXOMERSM Technology.

Reactions between olefins and H₂S produce high molecular weight mercaptans as refiners attempt to minimize olefin saturation to prevent octane loss. These reactions can leave up to 100 ppm sulfur in the finished product. Increasing hydrotreating severity eliminates recombinant mercaptans but at the expense of much greater octane loss.

EXOMERSM Technology, a joint development of Merichem and ExxonMobil Research & Engineering Company (EMRE), is a solution for this refining challenge. This new technology is an enhanced version of the FIBER-FILMTM Contactor regenerative caustic mercaptan extraction process. Our enhanced process will provide refiners the opportunity to reduce gasoline mercaptan sulfur to extremely low levels at minimal costs.

EXOMERSM Technology can also be used to make major improvements in the extraction of sulfur from light FCC gasoline. Thus, if you are splitting the full range FCC gasoline and hydrotreating only the heavy portion, the enhanced treating system can be used to remove virtually all the mercaptan sulfur in the light FCC gasoline.

EXOMERSM Technology Offers
Many Benefits Including:

- A major reduction in total sulfur content of hydrotreated FCC gasoline.
- Lower capital investment by eliminating the need for additional hydrotreating equipment to remove recombinant mercaptans.
- No loss of octane since deeper hydrotreating will not be required.
- No additional consumption of high value hydrogen and catalyst.
- An FCC gasoline product guaranteed to meet expected future sulfur regulations.
- Minimized capital investment is achieved by retrofitting existing caustic treating equipment.

Don't let mercaptans rope you into making unnecessary investments. Let us round up the last few ppm so you can optimize your low sulfur motor gasoline production.

Contact a Merichem representative today.



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