

## Nufarm Inhibitors for Pygas and Pygas Hydrotreating

**Pyrolysis gasoline (pygas)** is the cut of heavier molecules (C5+) that is generated by the cracking of naphtha. It is used as a feedstock for BTX units and is transported and traded in bulk.

Nufarm supplies Pygas stabilisers that can be added to the pygas during transport to prevent the formations of gums or polymer whilst in transit. These are particularly useful if the pygas is to be stored for any significant time or transported through hot climates.

Pygas can be hydrotreated (hydrogenated) to remove unsaturated compounds from the stream. This process is hot, and fouling caused principally by styrene and cyclopentadiene can occur on the catalyst, in the reboiler and in the heat exchangers.

**Case History :** The catalytic reformer in a BTX unit has been treated with our stable free radical inhibitor AHM B239 for 12 years. Before treatment the catalyst required regeneration 2-4 times per year, after treatment a record run-length of 590 days was achieved.