

A B S T R A C T

PROCESS TO MAKE A SULPHUR CONTAINING STEAM CRACKER
FEEDSTOCK

Process to make a sulphur containing steam cracker feedstock from crude natural gas by performing the following steps:

- (a) separating a sulphur containing liquid field condensate fraction from the natural gas,
- (b) further separating a sulphur containing fraction comprising hydrocarbon compounds having 3 or more carbon atoms from the natural gas to obtain a plant condensate,
- (c) preparing a mixture of carbon monoxide and hydrogen from the gas obtained in step (b),
- (d) preparing a paraffin product by performing a Fischer-Tropsch reaction using the carbon monoxide and hydrogen from step (c), and
- (e) combining the paraffin product or part of said product with the sulphur containing fraction comprising hydrocarbon compounds having 3 or more carbon atoms obtained in step (b) to obtain the sulphur containing steam cracker feedstock having a sulphur content of between 50 and 1000 ppm.

Figure 1.