

SYNTHESIS OF ORGANIC DISULPHIDES AND POLYSULPHIDES

ABSTRACT

5 The invention relates to a process for the
manufacture of organic disulphides and polysulphides.

 According to the invention, an organic
disulphide or polysulphide of formula $R-S_p-R$, in which
 $p \geq 2$, is prepared by reacting sulphur with a mercaptan
10 of formula $R-SH$ or a polysulphide of lower sulphur order
to convert it into polysulphide of higher order, or
reacting a mercaptan with an organic polysulphide of high
sulphur order to convert it into polysulphide of lower
sulphur order, in the presence, as catalyst, of a resin
15 based on polystyrene-divinylbenzene (PS-DVB)
functionalized with ethylenediamine or
polyethylenepolyamine groups of the specified formula.

 The process according to the invention provides
an improved degree of conversion of the reactants and/or
20 a faster reaction rate when compared with the prior art.