8. Process according to any one of the preceding claims, wherein the reaction temperature in step a) is between 500°C and 1300°C, preferably between 700°C and 1100°C, more preferably between 800°C and 1000°C.

9. Process according to any one of the preceding claims, wherein the reaction temperature in step b) is between 100°C and 400°C and preferably between 200°C and 300°C.

10. Process according to any one of the preceding claims, wherein the methyl mercaptan is reacted with sulphur to form dimethyl disulphide.