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Reactions of Dithiolethiones with N,N-Dichloroamides

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Dependent on the starting materials and the reaction conditions N,N-dichloroamides $\text{Cl}_2\text{N-X}$ ($\text{X} = \text{COaryl}, \text{CO}_2\text{alkyl}, \text{SO}_2\text{aryl}, \text{SO}_2\text{N(alkyl)}_2$) react with dithiolethiones 1 and 5 to N-(dithiolyliden)amides 2, 6, S-(dithiolylidene)sulfimides 3, thionoxides 7 and dithiolones 4, 8. The mechanisms have been studied.

