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(54) Title: PERFLUOROALKYL COMPOSITION WITH REDUCED CHAIN LENGTH

(57) Abstract: Novel fluorosurfactants are provided that contain perfluoroalkyl groups no longer than perfluorohexyl (C₆). The surfactants are useful in the preparation of aqueous film forming foams (AFFF) and alcohol-resistant film-forming foams (AR-AFFF) for firefighting. Unexpectedly, these compounds have activity in AFFF and AR-AFFF applications that is comparable and even superior to conventional surfactants that contain perfluoroalkyl groups that are perfluorooctyl (C₈) and longer. Also provided are methods of making the novel surfactants, as well as foam concentrates, methods of making foam and methods of fighting fires using foam containing the novel surfactants.



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