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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 sur-
factants 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 su-
perior to conventional surfactants that contain perfluoroalkyl groups that are perfluorooctyl (C₈) and longer. Also provided are meth-
ods 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.

