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(54) Title: FIRE FIGHTING FOAMING COMPOSITIONS

(57) Abstract: A fire fighting composition according to the invention comprises a first surfactant selected from alkyl group-containing amphoteric surfactants, wherein the alkyl group contains at least 8 carbon atoms, and alkyl group-containing zwitterionic surfactants, wherein the alkyl group contains at least 8 carbon atoms, and mixtures thereof, and a second surfactant selected from alkyl group-containing anionic surfactants, wherein the alkyl group contains at least 8 carbon atoms, and wherein the weight ratio of the first surfactant to the second surfactant is in the range of from 3:1 to 1:1.5., wherein the fire fighting foaming composition is essentially free of fluorine. Typically, the first surfactant is selected from alkyl amine oxides, betaines and N-alkyl pyrrolidones. Typically, the second surfactant is selected from alkyl sulphates, alkyl phosphates, dialkylsulphosuccinates, sodium alkyl ether sulphates and alkyl carboxylates. The compositions which are essentially-free of fluorine or fluorine-containing compounds give a good combination of fire fighting properties, such as burn back performance and extinguishing capability.



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