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(54) Title: POLYMERIZATION INHIBITING AND EMULSION BREAKING COMPOSITION AND METHOD OF USE THEREOF

(57) Abstract: The present invention relates to a polymerization inhibiting and emulsion breaking composition for inhibiting polymerization and simultaneously breaking emulsions formed between hydrocarbon and caustic, wherein the composition comprises: amino acid and a borohydride, wherein the amino acid is preferably 6-amino hexanoic acid and the borohydride is preferably a sodium borohydride. In one embodiment, the present invention relates to a method for inhibiting polymerization and simultaneously breaking emulsions by treating a polymerizable material with the additive composition of the present invention. In one embodiment, the present invention relates to a use of the additive composition of the present invention for inhibiting polymerization and simultaneously breaking emulsions by adding the additive composition to a polymerizable material. In one embodiment, the present invention relates to a use of an additive composition for prevention of fouling caused due to polymerization in a basic solution, wherein a polymerizable material is treated with the additive composition of the present invention.

WO 2022/157586 A1