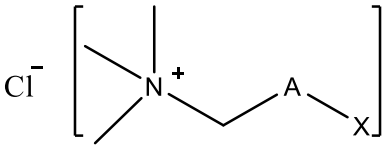
CLAIMS

1. A wax dispersant composition for use in subterranean applications comprising a carrier medium and the following compounds:

A) a nonionic alcohol ethoxylate,

B) an alkylbenzene sulfonate,

C) a bifunctional quaternary ammonium chloride salt of Formula (IV)



Formula (IV)

wherein A is a branched or unbranched C_1 to C_4 alkyl residue

X is OY or NHY, wherein Y is H, C_1-C_3 alkyl residue, $C(=O)C(CH_3)=CH_2$, $C(=O)CH=CH_2$, $C(=O)CH(CH_3)CH_3$, or $C(=O)CH_2CH_3$,

wherein the weight ratio of the total amount of compounds A) and B) to the amount of compound C) is from 7:1 to 25:1.

2. The wax dispersant composition according to claim 1, wherein the weight ratio of compounds A) and B) to compound C) in the wax dispersant composition is from 7:1 to 20:1.

3. The wax dispersant composition according to claim 1 or 2, wherein the nonionic alcohol ethoxylate A) is an alcohol ethoxylate with the Formula $R(OC_2H_4)_nOH$, wherein R is a branched or linear aliphatic hydrocarbyl radical containing from 6 to 16 carbon atoms, preferably 8 to 14 carbon atoms, and wherein n ranges from 2 to 14, preferably from 2 to 12.

4. The wax dispersant composition according to claim 3, wherein the alcohol ethoxylate A) has an average of 1 to 10 ethylene oxide groups with an HLB value of from 5 to 15.

5. The wax dispersant composition according to any one of the previous claims, wherein the alkylbenzene sulfonate compound B) is triethanolamine salt of dodecylbenzene sulfonic acid.

6. The wax dispersant composition according to any one of the previous claims, wherein in Formula (IV) of compound C), A is an unbranched C_1 to C_4 alkyl residue, more preferably an unbranched C_1 to C_2 alkyl residue.

7. The wax dispersant composition according to any one of the previous claims, wherein in Formula (IV) of compound C), X is chosen within the group consisting of OY with Y being hydrogen or $C(=O)C(CH_3)=CH_2$, or NHY with Y being $C(=O)C(CH_3)=CH_2$.

8. The wax dispersant composition according to any one of the previous claims, wherein the bifunctional quaternary ammonium chloride salt C) of Formula (IV) is 3-trimethylammoniumpropyl methacrylamide chloride, trimethylaminoethyl methacrylate chloride, or a mixture thereof.

9. The wax dispersant composition according to any one of the previous claims, wherein the total amount of compounds A), B) and C) is from 10 to 100% by weight, preferably from 30 to 100% by weight, even more preferably from 50 to 100% by weight, based on the total weight of all compounds in the wax dispersant composition, not including the carrier medium.

10. The wax dispersant composition according to any one of the previous claims, wherein the composition further comprises a biosurfactant D), which is selected from the group consisting of rhamnolipids, sophorolipids, glucolipids or a mixture thereof.

11. The wax dispersant composition according to claim 10, wherein the biosurfactant D) is a sophorolipid, in which the ratio by weight of lactone form to acid form is in the range of 20:80 to 80:20, preferably in the range of 30:70 to 40:60.

12. The wax dispersant composition according to any one of the previous claims, wherein the total content of carrier medium in the composition is from 10 to 90% by weight, preferably 20 to 90% by weight, even more preferably from 30 to 90% by weight, based on the total weight of the wax dispersant composition.

13. The wax dispersant composition according to any one of the previous claims, wherein the amount of the carrier medium, compounds A), B) and C) in the wax dispersant composition, sums up to at least 90% by weight, based on the total weight of the wax dispersant composition.

14. Method for preparing a wax dispersant composition as defined in any one of claims 1 to 13, comprising mixing a carrier medium and the compounds as defined in any one of claims 1 to 13 to provide a wax dispersant composition.

15. Method for treating a crude oil with a wax dispersant composition according to any one of claims 1 to 13 to enhance oil recovery by reducing interfacial tension between the crude oil and a treatment fluid in the recovery of oil and gas from crude oil and gas wells, wherein the wax dispersant composition is added to the treatment fluid.