CLAIMS

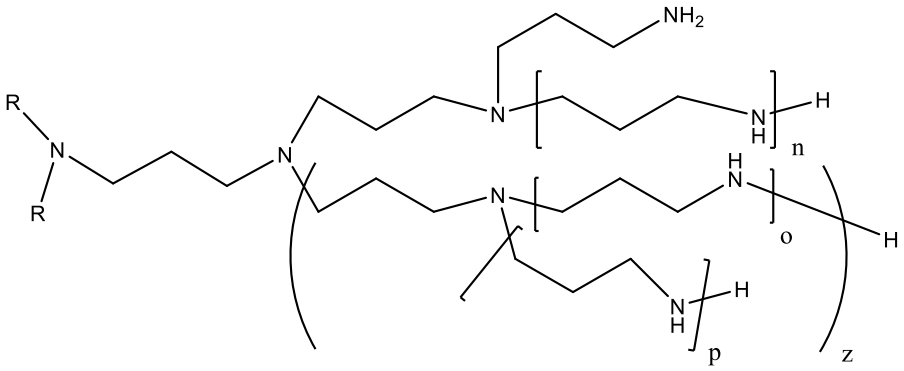
1. A product resulting from the reaction of at least:

- an alkali or alkaline earth metal hydroxybenzoate compound, optionally substituted by a hydrocarbyl group and optionally overbased,

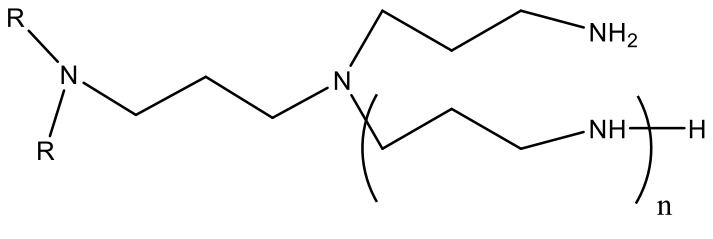
- a boron compound,

- an amine component selected from:

a di-fatty-alkyl(ene) polyalkylamine composition comprising one or more polyalkylamines of formulae (I) or (II):




(I),




(II)

wherein,

- each R is, independent of the other R, an alkyl moiety or an alkylene moiety with 4 to 30 carbon atoms, which is linear or branched,
- n and z are independent of each other either 0, 1, 2, or 3, and
- when z is superior than 0 then o and p are independent of each other either 0, 1, 2, or 3,

or derivatives thereof,

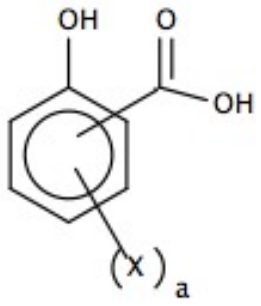
whereby said polyalkylamine composition comprises at least 3% by weight of branched compounds of formula (I) or (II), with regards to the total weight of polyalkylamine compounds (I) and (II) in the composition, branched compound signifying that:

- in formula (I) at least one of n and z are superior or equal to 1,

- in formula (II) n is superior or equal to 1.

2. The product according to claim 1, wherein the alkali or alkaline earth metal hydroxybenzoate compound, optionally substituted by a hydrocarbyl group, is selected from mono-alk(en)yl substituted salicylate salts, di-alk(en)yl substituted salicylate salts, carboxylate functionalized calixarenes salts, and mixtures thereof.

3. The product according to claim 1, wherein the alkali or alkaline earth metal hydroxybenzoate compound, optionally substituted by a hydrocarbyl group, is chosen from the alkali and/or alkaline earth metal salts of the compounds of formula (III):




(III)

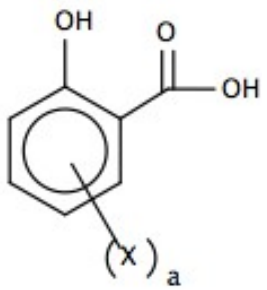
wherein:

X represents a hydrocarbyl with 1 to 50 carbon atoms, and X can comprise one or more heteroatoms,

a is an integer, a represents 0, 1 or 2.

4. The product according to claim 3, wherein the alkali or alkaline earth metal hydroxybenzoate compound, optionally substituted by a hydrocarbyl group, is

chosen from the alkali and/or alkaline earth metal salts of the compounds of formula (IIIA):




(IIIA)

5. The product according to claim 4, wherein the alkali and/or alkaline earth metal hydroxybenzoate compound is chosen from alkali and/or alkaline earth metal salicylates.

6. The product according to claim 1, wherein the boron compound is selected from: boric acid, boric acid complexes, boric oxide, a trialkyl borate in which the alkyl groups comprise independently from 1 to 4 carbon atoms, a $C_1$-$C_{12}$ alkyl boronic acid, a $C_1$-$C_{12}$ dialkyl boric acid, a $C_6$-$C_{12}$ aryl boric acid, a $C_6$-$C_{12}$ diaryl boric acid, a $C_7$-$C_{12}$ aralkyl boric acid, a $C_7$-$C_{12}$ diaralkyl boric acid, or products deriving from these by substitution of an alkyl group by one or more alkoxy unit.

7. The product according to claim 7, wherein the boron compound is boric acid.

8. The product according to claim 1, wherein the polyalkylamine composition comprises at least 4 %w/w of branched compounds of formula (I) or (II), with regards to the total weight of polyalkylamine compounds (I) and (II) in the composition, branched compound signifying that:

- in formula (I) at least one of n or z are superior or equal to 1,
- in formula (II) n is superior or equal to 1.

9. The product according to claim 1, wherein the polyalkylamine composition comprises at least 5% by weight, with regards to the total weight of compounds (I) and (II), of products of formulae (I) and (II) with a linear structure, linear meaning n is 0 in formulae (I) and (II) and z is 0 in formula (I).

10. The product according to claim 1, wherein the polyalkylamine composition further comprises derivatives of polyalkylamines of formula (I) or (II), said derivatives are alkoxylates which are optionally methylated.

11. The product according to claim 1, wherein the polyalkylamine composition further comprises derivatives of polyalkylamines of formula (I) or (II), said derivatives are methylated.

12. The product according to claim 1, wherein each R is, independent of the other R, selected from linear or branched alkyl or alkenyl groups comprising 8 to 22 carbon atoms.

13. The product according to claim 12, wherein R groups are derived from animal and vegetal oils and fats, and mixtures thereof.

14. The product according to claim 13, wherein R groups are derived from tallow oil.

15. A lubricant composition comprising a product according to claim 1 and a base oil.

16. Use of a product according to claim 1 or a lubricant composition according to claim 15, for lubricating two-stroke marine engines and four-stroke marine engines.