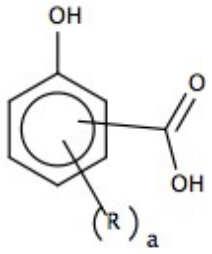
CLAIMS

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

a hydrocarbyl-substituted hydroxybenzoic acid of formula (I):



(I)

wherein:

R represents a hydrocarbyl group comprising 1 to 50 carbon atoms, optionally comprising one or more heteroatoms, and

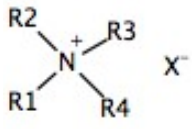
a = 1

a boron compound, and

a quaternary ammonium salt,

wherein the molar ratio of hydrocarbyl-substituted hydroxybenzoic acid compound: quaternary ammonium salt is of from 15:1 to 2:1.

2. The product according to claim 1 wherein the quaternary ammonium salt responds to formula (IV):



(IV)

wherein

R_1, R_2, R_3 and R_4 are independently selected from alkyl and alkenyl groups comprising from 1 to 40 atoms of carbon,

X^- represents a counter-ion.

3. The product according to claim 2, wherein R_1, R_2, R_3 and R_4 are, independently, selected from linear alkyl groups and alkenyl groups with 2 to 6 carbon atoms.

4. The product according to claim 2, wherein R_1, R_2, R_3 and R_4 are, independently, selected from linear alkyl groups and alkenyl groups with 14 to 22 carbon atoms.

5. The product according to claim 4, wherein R_1, R_2, R_3 and R_4 are, independently, selected from linear alkyl groups and alkenyl groups with 14 to 18 carbon atoms.

6. The product according to claim 4, wherein R_1, R_2, R_3 and R_4 are derived from animal and vegetal oils and fats.

7. The product according to claim 6, wherein R_1, R_2, R_3 and R_4 are derived from tallow oil.

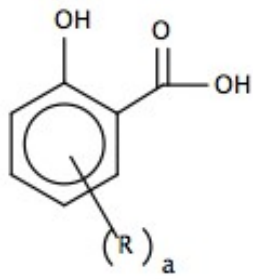
8. The product according to claim 2, wherein R_1, R_2, R_3 and R_4 are identical.

9. The product according to claim 1, wherein R is selected from alkyl and alkenyl groups comprising 1 to 50 carbon atoms.

10. The product according to claim 1, wherein R comprises from 12 to 40 carbon atoms.

11. The product according to claim 10, wherein R comprises from 18 to 30 carbon atoms.

12. The product according to claim 1, wherein the hydroxybenzoic acid compound responds to formula (IA):



(IA)

13. 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.

14. The product according to claim 1, wherein the boron compound is boric acid.

15. The product according to claim 1, wherein the molar ratio of hydrocarbyl-substituted hydroxybenzoic acid compound: boron compound is of from about 10:1 to about 1:5.

16. The product according to claim 1, wherein the molar ratio of boron compound: quaternary ammonium component is from about 10:1 to 1:10.

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

18. The lubricant composition according to claim 17, wherein it comprises:

- from 60 to 99.9 % of at least one base oil,
- from 0.1 to 20 % of at least one product,

the percentages being defined by weight of component as compared to the total weight of the composition.

19. A method for lubricating two-stroke marine engines and four-stroke marine engines said method comprising application to said marine engine of a product according to claim 1 or a lubricant composition comprising the product and a base oil.

20. The product according to claim 1, wherein the molar ratio of hydrocarbyl-substituted hydroxybenzoic acid compound: quaternary ammonium salt is from 5:1 to 2:1.