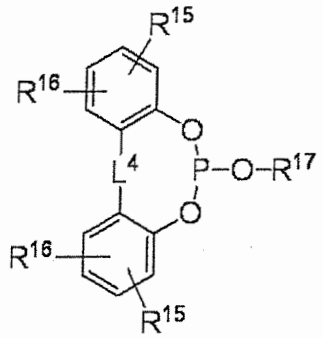


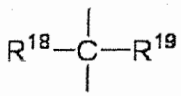
(7)

wherein in the formula (7),

each R^{15} and/or each R^{16} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

R^{17} is a C_{1-8} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and a C_{7-12} aralkyl group, and

L^4 is a single bond, a sulfur atom or a divalent group represented by the formula (7a):

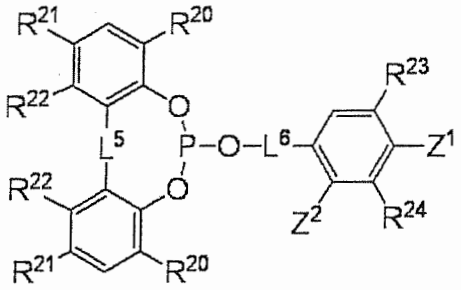


(7a)

wherein in the formula (7a), R^{18} and R^{19} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{18} and R^{19} is not more than 7.

7. The stabilizer composition according to claim 6, wherein at least one selected from the group consisting of the compounds represented by the formulas (3) - (7) is the compound represented by the formula (3).

~~8. A thermoplastic polymer composition comprising a compound represented by the formula (8):~~



(8)

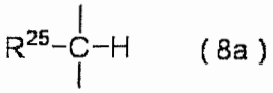
wherein in the formula (8),

each R^{20} and/or each R^{21} are/is independently a hydrogen atom, a C_{1-8} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

R^{23} and R^{24} are each independently a hydrogen atom, a C_{1-8} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

each R^{22} is independently a hydrogen atom or a C_{1-8} alkyl group,

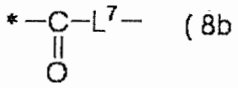
L^5 is a single bond, a sulfur atom or a divalent group represented by the formula (8a):



(8a)

wherein in the formula (8a), R^{25} is a hydrogen atom, a C_{1-8} alkyl group or a C_{5-8} cycloalkyl group,

L^6 is a C_{2-8} alkylene group or a divalent group represented by the formula (8b):



(8b)

wherein in the formula (8b), L^7 is a single bond or a C_{1-8} alkylene group, and * shows bonding to the oxygen atom side, and

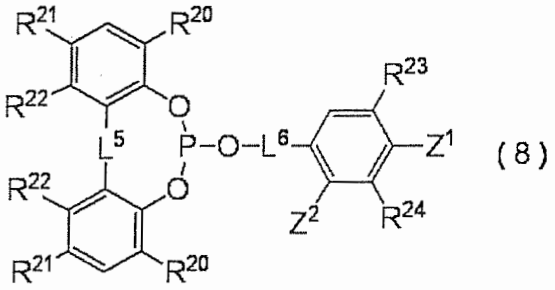
one of Z^1 and Z^2 is a hydroxy group, a C_{1-8} alkyl group, a C_{1-8} alkoxy group or a C_{7-12} aralkyloxy group, and the other is a hydrogen atom or a C_{1-8} alkyl group,

trehalose and a thermoplastic polymer.

9. The thermoplastic polymer composition according to claim 8, wherein the total amount of the compound represented by the

formula (8) and trehalose is 0.001 - 3 parts by weight relative to 100 parts by weight of the thermoplastic polymer.

10. A stabilizer composition comprising a compound represented by the formula (8):



(8)

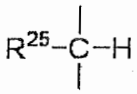
wherein in the formula (8),

each R^{20} and/or each R^{21} are/is independently a hydrogen atom, a C_{1-8} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

R^{23} and R^{24} are each independently a hydrogen atom, a C_{1-8} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

each R^{22} is independently a hydrogen atom or a C_{1-8} alkyl group,

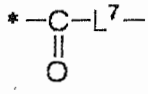
L^5 is a single bond, a sulfur atom or a divalent group represented by the formula (8a):



(8a)

wherein in the formula (8a), R^{25} is a hydrogen atom, a C_{1-8} alkyl group or a C_{5-8} cycloalkyl group,

L^6 is a C_{2-8} alkylene group or a divalent group represented by the formula (8b):



(8b)

wherein in the formula (8b), L^7 is a single bond or a C_{1-8} alkylene group, and * shows bonding to the oxygen atom side, and

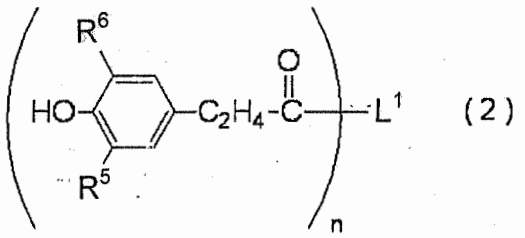
one of Z^1 and Z^2 is a hydroxy group, a C_{1-8} alkyl group, a C_{1-8} alkoxy group or a C_{7-12} aralkyloxy group, and the other is a

hydrogen atom or a C_{1-8} alkyl group, and

trehalose.

11. The stabilizer composition according to claim 10, wherein the compound represented by the formula (8) is 6-[3-(3-t-butyl-4-hydroxy-5-methylphenyl)propoxy]-2,4,8,10-tetra-t-butyldibenzo[d,f][1,3,2]dioxaphosphepine.

12. The stabilizer composition according to claim 10 or 11, further comprising a compound represented by the formula (2):



(2)

wherein in the formula (2),

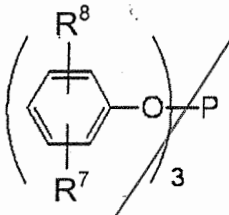
each R^5 and/or each R^6 are/is independently a hydrogen atom or a C_{1-6} alkyl group,

L^1 is an n-valent C_{1-24} alcohol residue optionally containing a hetero atom,

n is an integer of 1 – 4, and

the alcohol residue here is a residue obtained by removing a hydrogen atom from the hydroxy group of the alcohol.

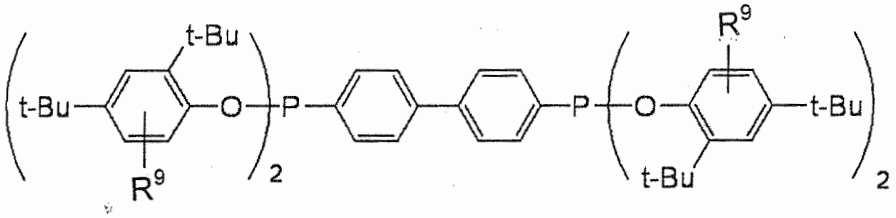
13. The stabilizer composition according to any one of claims 10 – 12, further comprising at least one selected from the group consisting of the compounds represented by the formulas (3) – (7):



(3)

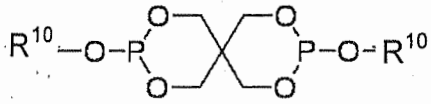
wherein in the formula (3), each R^7 and/or each R^8 are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl

group or a phenyl group,



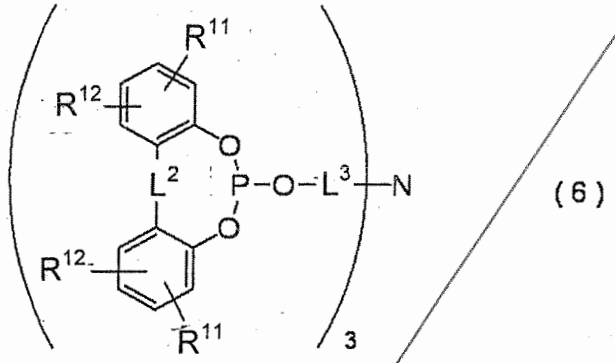
(4)

wherein in the formula (4), each R^9 is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,



(5)

wherein in the formula (5), each R^{10} is independently a C_{1-18} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and a C_{7-12} aralkyl group,

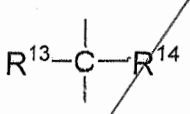


(6)

wherein in the formula (6),

each R^{11} and/or each R^{12} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

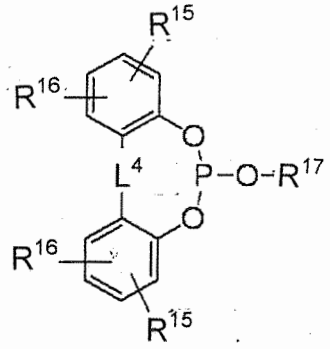
each L^2 is independently a single bond, a sulfur atom or a divalent group represented by the formula (6a):



(6a)

wherein in the formula (6a), R^{13} and R^{14} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{13} and R^{14} is not more than 7, and

each L^3 is independently a C_{2-8} alkylene group,



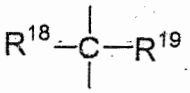
(7)

wherein in the formula (7),

each R^{15} and/or each R^{16} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

R^{17} is a C_{1-8} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and a C_{7-12} aralkyl group, and

L^4 is a single bond, a sulfur atom or a divalent group represented by the formula (7a):

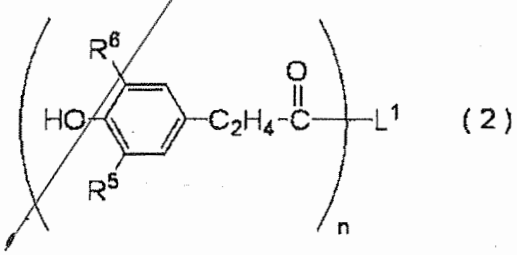


(7a)

wherein in the formula (7a), R^{18} and R^{19} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{18} and R^{19} is not more than 7.

14. The stabilizer composition according to claim 13, wherein at least one selected from the group consisting of the compounds represented by the formulas (3) - (7) is the compound represented by the formula (3).

15. A thermoplastic polymer composition comprising a compound represented by the formula (2):



(2)

wherein in the formula (2),

each R^5 and/or each R^6 are/is independently a hydrogen atom or a C_{1-6} alkyl group,

L^1 is an n-valent C_{1-24} alcohol residue optionally containing a hetero atom,

n is an integer of 1 - 4, and

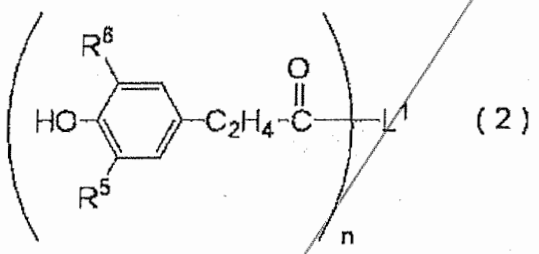
the alcohol residue here is a residue obtained by removing a hydrogen atom from the hydroxy group of the alcohol,

trehalose and a thermoplastic polymer.

16. The thermoplastic polymer composition according to claim 15, wherein the total amount of the compound represented by the formula (2) and trehalose is 0.001 - 3 parts by weight relative to 100 parts by weight of the thermoplastic polymer.

17. The thermoplastic polymer composition according to claim 15 or 16, wherein the thermoplastic polymer is a styrene-butadiene block copolymer.

18. A stabilizer composition comprising a compound represented by the formula (2):



(2)

wherein in the formula (2),

each R^5 and/or each R^6 are/is independently a hydrogen atom or a C_{1-6} alkyl group,

L^1 is an n-valent C_{1-24} alcohol residue optionally containing a hetero atom,

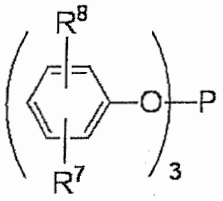
n is an integer of 1 - 4, and

the alcohol residue here is a residue obtained by removing a hydrogen atom from the hydroxy group of the alcohol, and

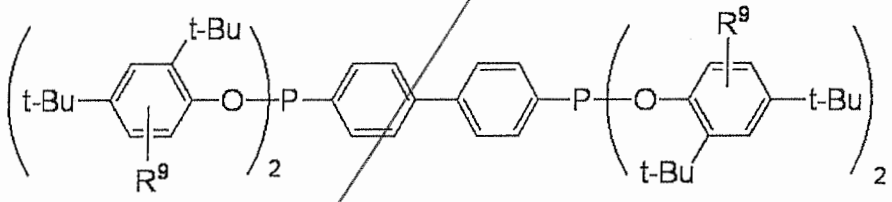
trehalose.

19. The stabilizer composition according to claim 18, wherein the compound represented by the formula (2) is at least one selected from the group consisting of octadecyl 3-(3,5-di-t-butyl-4-hydroxyphenyl)propionate, 3,9-bis[2-{3-(3-t-butyl-4-hydroxy-5-methylphenyl)propionyloxy}-1,1-dimethylethyl]-2,4,8,10-tetraoxaspiro[5.5]undecane and pentaerythritol tetrakis[3-(3,5-di-t-butyl-4-hydroxyphenyl)propionate].

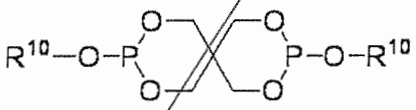
20. A thermoplastic polymer composition comprising trehalose, a thermoplastic polymer and at least one selected from the group consisting of the compounds represented by the formulas (3) - (7)):


(3)

wherein in the formula (3), each R^7 and/or each R^8 are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

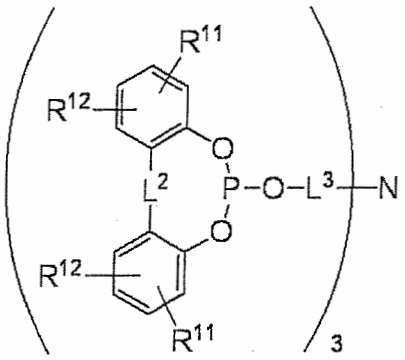

(4)

wherein in the formula (4), each R^9 is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,


(5)

wherein in the formula (5), each R^{10} is independently a C_{1-18} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and

a C_{7-12} aralkyl group,

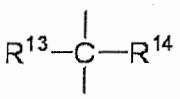


(6)

wherein in the formula (6),

each R^{11} and/or each R^{12} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

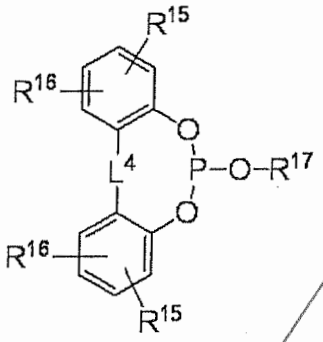
each L^2 is independently a single bond, a sulfur atom or a divalent group represented by the formula (6a):



(6a)

wherein in the formula (6a), R^{13} and R^{14} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{13} and R^{14} is not more than 7, and

each L^3 is independently a C_{2-8} alkylene group,



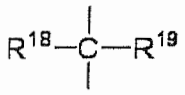
(7)

wherein in the formula (7),

each R^{15} and/or each R^{16} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

R^{17} is a C_{1-8} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and a C_{7-12} aralkyl group, and

L^4 is a single bond, a sulfur atom or a divalent group represented by the formula (7a):



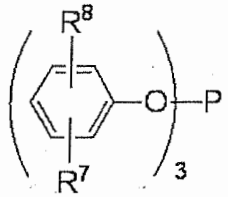
(7a)

wherein in the formula (7a), R^{18} and R^{19} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{18} and R^{19} is not more than 7.

21. The thermoplastic polymer composition according to claim 20, wherein the total amount of trehalose and the compound selected from the group consisting of the compounds represented by the formulas (3) - (7) is 0.001 - 3 parts by weight relative to 100 parts by weight of the thermoplastic polymer.

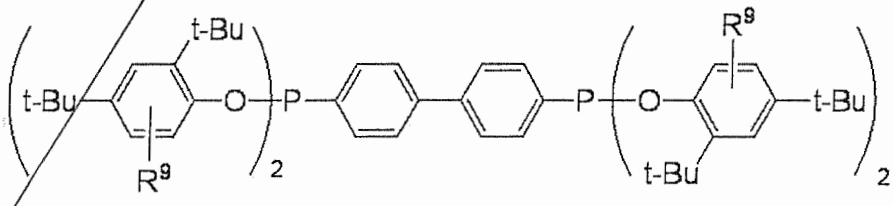
22. The thermoplastic polymer composition according to claim 20 or 21, wherein the thermoplastic polymer is a styrene-butadiene block copolymer.

23. A stabilizer composition comprising trehalose and at least one selected from the group consisting of the compounds represented by the formulas (3) - (7)):



(3)

wherein in the formula (3), each R^7 and/or each R^8 are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,



(4)

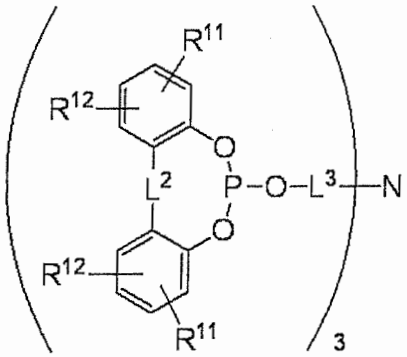
wherein in the formula (4), each R^9 is independently a hydrogen

atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,



(5)

wherein in the formula (5), each R^{10} is independently a C_{1-18} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and a C_{7-12} aralkyl group,

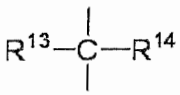


(6)

wherein in the formula (6),

each R^{11} and/or each R^{12} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

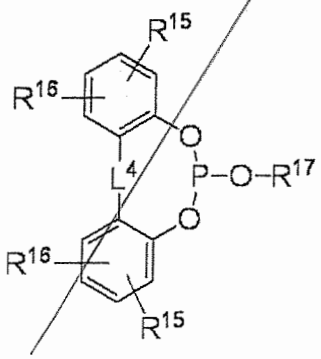
each L^2 is independently a single bond, a sulfur atom or a divalent group represented by the formula (6a):



(6a)

wherein in the formula (6a), R^{13} and R^{14} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{13} and R^{14} is not more than 7, and

each L^3 is independently a C_{2-8} alkylene group,



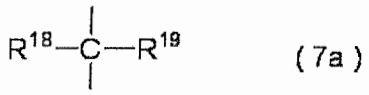
(7)

wherein in the formula (7),

each R^{15} and/or each R^{16} are/is independently a hydrogen atom, a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group, a C_{7-12} aralkyl group or a phenyl group,

R^{17} is a C_{1-8} alkyl group or a phenyl group optionally substituted by at least one selected from the group consisting of a C_{1-9} alkyl group, a C_{5-8} cycloalkyl group, a C_{6-12} alkylcycloalkyl group and a C_{7-12} aralkyl group, and

L^4 is a single bond, a sulfur atom or a divalent group represented by the formula (7a):



(7a)

wherein in the formula (7a), R^{18} and R^{19} are each independently a hydrogen atom or a C_{1-7} alkyl group, and the total carbon number of R^{18} and R^{19} is not more than 7.

24. The stabilizer composition according to claim 23, wherein at least one selected from the group consisting of the compounds represented by the formulas (3) - (7) is the compound represented by the formula (3).

25. The stabilizer composition according to claim 24, wherein the compound represented by the formula (3) is tris(2,4-di-t-butylphenyl) phosphite.