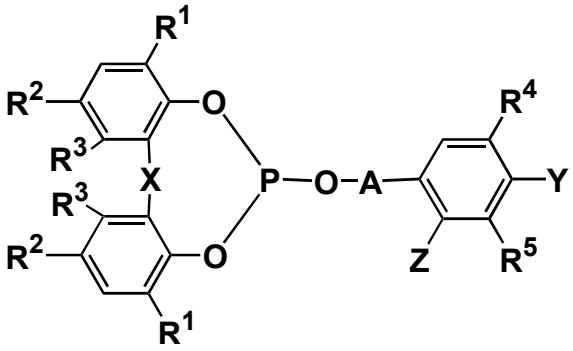
CLAIMS

1. A granular stabilizer product containing:

a phosphite ester compound represented by

Formula (1):

[Ch. 1]



wherein

$R^1$, $R^2$, $R^4$, and $R^5$ each independently represent a hydrogen atom, an alkyl group having 1 to 8 carbon atom(s), a cycloalkyl group having 5 to 8 carbon atoms, an alkylcycloalkyl group having 6 to 12 carbon atoms, an aralkyl group having 7 to 12 carbon atoms, or a phenyl group;

$R^3$ represents a hydrogen atom or an alkyl group having 1 to 8 carbon atom(s);

X represents a single bond, a sulfur atom, or a -$CHR^6$- group, wherein $R^6$ represents a hydrogen atom, an alkyl group having 1 to 8 carbon atom(s), or a cycloalkyl group having 5 to 8 carbon atoms;

"A" represents an alkylene group having 2 to 8 carbon atoms or a *-$COR^7$- group, wherein $R^7$ represents a single bond or an alkylene group having 1 to 8 carbon atom(s); -CO- with * represents bonding with an oxygen atom of a phosphite structure in Formula (1);

as to Y and Z, either one thereof represents a hydroxyl group, an alkoxy group having 1 to 8 carbon atom(s), or an aralkyloxy group having 7 to 12 carbon atoms, and another one thereof represents a hydrogen atom or an alkyl group having 1 to 8 carbon

atom(s);

when Y is a hydroxyl group, either $R^4$ or $R^5$ represents an alkyl group having 3 to 8 carbon atoms, a cycloalkyl group having 5 to 8 carbon atoms, an alkylcycloalkyl group having 6 to 12 carbon atoms, an aralkyl group having 7 to 12 carbon atoms, or a phenyl group;

two $R^1$s in Formula (1) may be same as each other or may be different from each other;

two $R^2$s in Formula (1) may be same as each other or may be different from each other;

two $R^3$s in Formula (1) may be same as each other or may be different from each other, and

a metal oxide and/or a metal carbonate, wherein

the granular stabilizer product contains 30 to 99.9% by mass of the phosphite ester compound, and 0.1 to 70% by mass of the metal oxide and/or the metal carbonate, relative to 100% by mass of the granular stabilizer product.

2. The granular stabilizer product according to claim 1, wherein

the granular stabilizer product contains 30 to 99% by mass of the phosphite ester compound, and 1 to 70% by mass of the metal oxide and/or the metal carbonate, relative to 100% by mass of the granular stabilizer product.

3. The granular stabilizer product according to claims 1 or 2, further containing a binder.

4. The granular stabilizer product according to claim 3, wherein

the granular stabilizer product contains 1 to 20% by mass of the binder, relative to 100% by mass of the total amount of the phosphite ester compound, and the metal

oxide and/or the metal carbonate.

5. The granular stabilizer product according to any one of claims 1 to 4, wherein

a shape of the granular stabilizer product is a flake shape and/or a pellet shape.

6. The granular stabilizer product according to claim 5, wherein

the granular stabilizer product having the flake shape has a flake length of 0.5 to 15 mm and a thickness of 0.5 to 5 mm, and wherein

the granular stabilizer product having the pellet shape has a pellet diameter of 0.1 to 10 mm and a pellet length of 0.1 to 20 mm.

7. The granular stabilizer product according to claim 5, wherein

the granular stabilizer product having the flake shape has a flake length of 0.5 to 15 mm and a thickness of 0.5 to 5 mm, and wherein

the granular stabilizer product having the pellet shape has a pellet diameter of 0.1 to 5 mm and a pellet length of 0.1 to 10 mm.

8. A method for producing the granular stabilizer product according to any one of claims 1 to 7, wherein

the granular stabilizer product is obtained from a mixture containing the phosphite ester compound represented by Formula (1), and the metal oxide and/or the metal carbonate using a compression granulator, an extrusion granulator, or a stirring granulator.