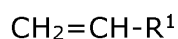


Patent Claims

1. A stabilizer represented by the following formula for suppressing generation of silane from a polysilane composition:



wherein R^1 is

- C_{3-20} linear, branched or cyclic alkyl group,
 C_{2-15} linear or branched alkenyl group or
 C_{7-20} aryl group substituted with alkenyl group.

2. The stabilizer according to claim 1, wherein R^1 is
 C_{3-20} linear or branched alkyl group,
 C_{5-8} cyclic alkyl group,
 C_{3-15} linear alkenyl group having an unsaturated bond at a terminal, or
 C_{7-10} phenyl group substituted with alkenyl group having an unsaturated bond at a terminal.

3. The stabilizer according to claim 1 or 2, wherein the stabilizer is selected from the group consisting of 1-pentene, 1-hexene, 3-methyl-1-pentene, 4-methyl-1-pentene, 3,3-dimethyl-1-butene, 1-heptene, 5-methyl-1-hexene, 1-octene, 1-nonene, 1-decene, 1-dodecene, 1-tetradecene, 1-hexadecene, 1-octadecene, vinylcyclopentane, vinylcyclohexane, allylcyclohexane, 1,4-pentadiene, 1,5-hexadiene, 1,6-heptadiene, 1,7-octadiene, 1,8-nonadiene, 1,9-decadiene, 1,10-undecadiene, 1,11-dodecadiene, 1,2-divinylbenzene, 1,3-divinylbenzene, and 1,4-divinylbenzene.

4. The stabilizer according to one or more of claims 1 to 3, wherein the polysilane is polyperhydrosilane.

5. Use of the stabilizer according to one or more of claims 1 to 4, wherein generation of silane from a polysilane composition is suppressed by adding the stabilizer.

6. A method for suppressing generation of silane, comprising making the stabilizer according to one or more of claims 1 to 4 coexist with a polysilane.
7. A method for inactivating a polysilane containing waste liquid comprising:
mixing the polysilane containing waste liquid with a stabilizer represented by the following formula:
$$\text{CH}_2=\text{CH}-\text{R}^1$$
wherein R^1 is
 C_{3-20} linear, branched or cyclic alkyl group,
 C_{2-15} linear or branched alkenyl group or
 C_{7-20} aryl group substituted with alkenyl group.
8. A polysilane inactivated treatment composition comprising:
a stabilizer represented by the following formula:
$$\text{CH}_2=\text{CH}-\text{R}^1$$
wherein R^1 is
 C_{3-20} linear, branched or cyclic alkyl group,
 C_{2-15} linear or branched alkenyl group or
 C_{7-20} aryl group substituted with alkenyl group; and
a solvent.
9. The composition according to claim 8, wherein R^1 is
 C_{3-20} linear or branched alkyl group,
 C_{5-8} cyclic alkyl group,
 C_{3-15} linear alkenyl group having an unsaturated bond at a terminal or
 C_{7-10} phenyl group substituted with alkenyl group having an unsaturated bond at a terminal.
10. The composition according to claim 8 or 9, wherein the stabilizer is selected from the group consisting of 1-pentene, 1-hexene, 3-methyl-1-pentene, 4-methyl-1-pentene, 3,3-dimethyl-1-butene, 1-heptene, 5-methyl-1-hexene, 1-octene, 1-

nonene, 1-decene, 1-dodecene, 1-tetradecene, 1-hexadecene, 1-octadecene, vinylcyclopentane, vinylcyclohexane, allylcyclohexane, 1,4-pentadiene, 1,5-hexadiene, 1,6-heptadiene, 1,7-octadiene, 1,8-nonadiene, 1,9-decadiene, 1,10-undecadiene, 1,11-dodecadiene, 1,2-divinylbenzene, 1,3-divinylbenzene, and 1,4-divinylbenzene.

11. The composition according to one or more of claims 8 to 10, wherein the composition is an edge bead removal treatment composition or a waste liquid treatment composition.