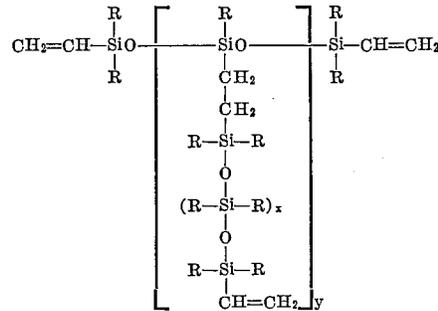


15

That which is claimed is:

1. A silicone polymer of the general formula

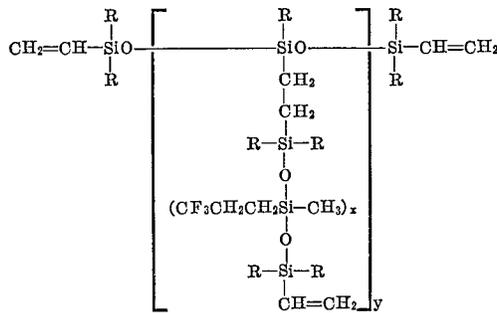


wherein R is a monovalent organic radical selected from the group consisting of alkyl radicals, aryl radicals, cycloalkyl radicals and $\text{R}_f\text{CH}_2\text{CH}_2-$ radicals where R_f is a perfluoroalkyl group having from 1 to 10 carbon atoms, x has an average value of at least 3 and y has an average value of at least 3.

2. The cured composition of claim 1.

3. A silicone polymer in accordance with claim 1 wherein R is a methyl radical.

4. A silicone polymer of the general formula

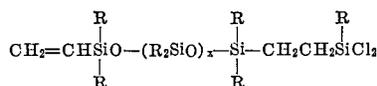


wherein R is a monovalent organic radical selected from the group consisting of alkyl radicals, aryl radicals, cycloalkyl radicals and $\text{R}_f\text{CH}_2\text{CH}_2-$ radicals where R_f is a perfluoroalkyl group having from 1 to 10 carbon atoms, x has an average value of at least 3 and y has an average value of at least 3.

5. A silicone polymer in accordance with claim 4 wherein R is a methyl radical, x is 3 and y is 3.

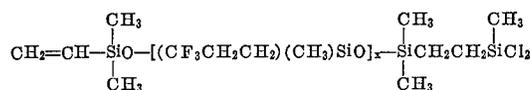
6. A silicone polymer in accordance with claim 4 wherein R is a methyl radical, x has an average value from 3 to 50 and y has an average value from 3 to 100.

7. A hydrolyzable silicone polymer of the general formula



wherein R is a monovalent organic radical selected from the group consisting of alkyl radicals, aryl radicals, cycloalkyl radicals and $\text{R}_f\text{CH}_2\text{CH}_2-$ radicals where R_f is a perfluoroalkyl group having from 1 to 10 carbon atoms, and x has an average value of at least 3.

8. A hydrolyzable silicone polymer of the formula

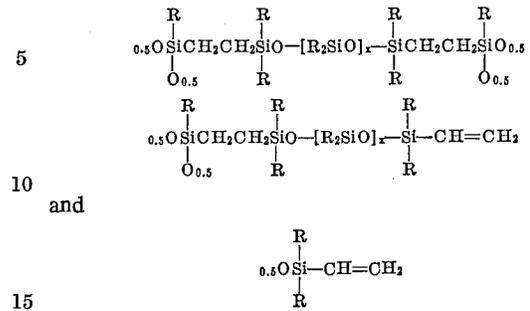


wherein x has an average value of at least 3.

9. A hydrolyzable silicone polymer in accordance with claim 8 wherein x has an average value of from 3 to 50.

16

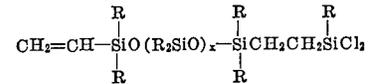
10. A silicone copolymer consisting essentially of units of the unit formulae



wherein R is a monovalent organic radical selected from the group consisting of alkyl radicals, aryl radicals, cycloalkyl radicals and $\text{R}_f\text{CH}_2\text{CH}_2-$ radicals where R_f is a perfluoroalkyl group having from 1 to 10 carbon atoms and x has an average value of at least 3.

11. A method for preparing a silicone polymer comprising

(1) hydrolyzing at least one hydrolyzable silicone polymer of the general formula

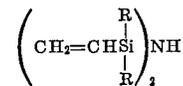


wherein R is a monovalent organic radical selected from the group consisting of alkyl radicals, aryl radicals, cycloalkyl radicals and $\text{R}_f\text{CH}_2\text{CH}_2-$ radicals where R_f is a perfluoroalkyl group having from 1 to 10 carbon atoms and x has an average value of at least 3, by adding said polymer to a basic aqueous solution having a pH in the range of 7.0 to 11.0 with vigorous agitation during said addition, the reacting mixture being free of organic solvents,

(2) aging the product from (1) in contact with the aqueous solution having a pH in the range of 7.0 to 11.0 until the hydroxyl endblocked polymer obtained reaches the desired degree of polymerization,

(3) neutralizing the aged polymer from (2) to a pH of about 7.0 and washing said polymer with water,

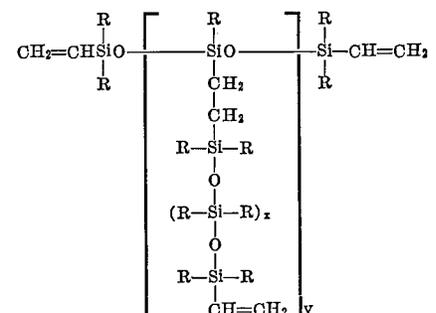
(4) mixing and reacting the neutralized and washed polymer from 3 with a siloxane of the formula



where R is as above defined,

(5) neutralizing and washing the reaction product from (4) to a pH of about 7.0, and

(6) separating the polymeric product from the aqueous system to obtain a silicone polymer of the general formula



wherein R and x are defined above, and y has an average value of at least 3.