Claims

1. A fouling-resistant composition which comprises an elastomer and a component selected from acylated lanolin, alkoxylated lanolin or lanolin oil.

2. The fouling-resistant composition of Claim 1, wherein the acylated lanolin is C_1-C_{12} acylated lanolin.

3. The fouling-resistant composition of Claim 1, wherein the acylated lanolin is acetylated lanolin.

4. The fouling-resistant composition of any one of the preceding claims, wherein the weight ratio of the component to the elastomer is about 1-30%.

5. The fouling-resistant composition of any one of the preceding claims wherein the elastomer is one or a mixture of organosiloxane polymer(s).

6. The fouling-resistant composition of any one of the preceding claims wherein the elastomer is a polymer comprising a repeating unit of the general structure –[SiR^1R^2-O]-, wherein R^1 and R^2 are independently selected from hydrogen, alkyl, aryl, aralkyl, and a vinyl group.

7. The fouling-resistant composition of Claim 6 wherein R^1 and R^2 are independently selected from methyl and phenyl, preferably wherein R^1 and R^2 are methyl.

8. A method for inhibiting fouling of a substrate in an aquatic environment by applying the fouling-resistant composition of any one of the preceding claims to a substrate and then locating the substrate in the aquatic environment.

9. The use of the fouling-resistant composition as defined in any one of Claims 1 to 7 for inhibiting fouling on a substrate in an aquatic environment.

10. A substrate coated with a fouling-resistant composition as defined in any of Claims 1 to7.

Claims

1. A fouling-resistant coating composition comprising a crosslinkable elastomer, an organic solvent, and a component selected from the group consisting of acylated lanolin, alkoxylated lanolin and lanolin oil, wherein the elastomer is a polymer comprising a repeating unit of the general structure —[SiR^1R^2—O]—, wherein R^1 and R^2 are independently selected from the group consisting of a hydrogen, an alkyl group, an aryl group, an aralkyl group and a vinyl group.

2. The fouling-resistant coating composition of claim 1, wherein the acylated lanolin is C_1-C_{12} acylated lanolin.

3. The fouling-resistant coating composition of claim 1, wherein the acylated lanolin is acetylated lanolin.

4. The fouling-resistant coating composition of claim 1, wherein the weight ratio of the component to the elastomer is about 1-30%.

5. The fouling-resistant coating composition of claim 2, wherein the weight ratio of the component to the elastomer is about 1-30%.

6. The fouling-resistant coating composition of claim 3, wherein the weight ratio of the component to the elastomer is about 1-30%.

7. The fouling-resistant coating composition of claim 1, wherein the elastomer is a mixture of organosiloxane polymer(s).

8. The fouling-resistant coating composition of claim 3, wherein the elastomer is a mixture of organosiloxane polymer(s).

9. The fouling-resistant coating composition of claim 4, wherein the elastomer is a mixture of organosiloxane polymer(s).

10. The fouling-resistant coating composition of claim 1, wherein R^1 and R^2 are independently selected from the group consisting of methyl and phenyl.

11. The fouling-resistant coating composition of claim 1, wherein R^1 and R^2 are methyl.

12. A method for inhibiting fouling of a substrate in an aquatic environment, the method comprising applying a fouling-resistant coating composition to the substrate, and then immersing the substrate in the aquatic environment;
wherein the fouling-resistant coating composition comprises an elastomer, an organic solvent, and a component selected from the group consisting of acylated lanolin, alkoxylated lanolin and lanolin oil, wherein the elastomer is a polymer comprising a repeating unit of the general structure —[SiR^1R^2—O]—, wherein R^1 and R^2 are independently selected from the group consisting of a hydrogen, an alkyl group, an aryl group, an aralkyl group and a vinyl group.

13. A substrate comprising a substrate coated with the fouling-resistant coating composition of claim 1.