CLAIMS

1. A kit for the preparation of an antifouling coating composition, wherein the antifouling coating composition comprises:

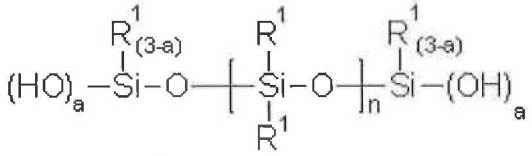
(A) a diorganopolysiloxane having at least two silanol groups in the molecule,

(B) an organosilane and/or a partial hydrolyzate condensate thereof having at least two hydrolyzable groups in the molecule, and

(C) a pyrithione metal salt; and

wherein the kit is a multiple-component system comprising respective packages of a component including the diorganopolysiloxane (A) and the pyrithione metal salt (C), and a component including the organosilane and/or the partial hydrolyzate condensate thereof (B).

2. The kit of claim 1, wherein the diorganopolysiloxane (A) is represented by General Formula [I]:



···[I]

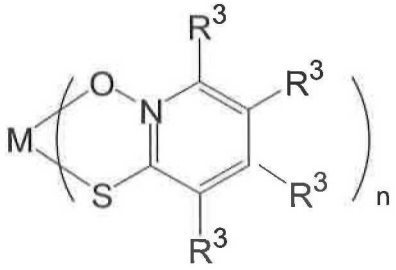
(wherein R^1 indicates independently at each occurrence a hydrocarbon group of 1 to 6 carbon atoms, the letter a is an integer of 1 to 3, and the letter n is an integer of 5 to 1,000).

3. The kit of any one of claims 1 or 2, wherein the organosilane and/or the partial hydrolyzate condensate thereof (B) is represented by General Formula [II]:

$$R^2_dSiY_{4-d} \quad \cdots[II]$$

(wherein R^2 indicates independently at each occurrence a hydrocarbon group of 1 to 6 carbon atoms, Y indicates independently at each occurrence a hydrolyzable group, and the letter d is an integer of 0 to 2).

4. The kit of any one of claims 1 to 3, wherein the pyrithione metal salt (C) is represented by General Formula [III]:



···[III]

(wherein R^3 indicates independently at each occurrence a hydrogen atom or an alkyl, cycloalkyl, alkenyl, aryl, alkoxy or halogenated alkyl group of 1 to 6 carbon atoms, M indicates a metal Zn, Cu, Na, Mg, Ca, Ba, Fe or Sr, and the letter n is the valence of the metal M).

5. The kit of any one of claims 1 to 4, wherein the diorganopolysiloxane (A) has a weight average molecular weight of 500 to 1,000,000.

6. The kit of any one of claims 1 to 5, wherein part or the whole of the diorganopolysiloxane (A) has been heat treated with silica beforehand.

7. The kit of any one of claims 1 to 6, wherein the organosilane and/or the partial hydrolyzate condensate thereof (B) has at least one of oxime groups, acetyloxy groups and alkoxy groups as the hydrolyzable groups.

8. The kit of any one of claims 1 to 7, wherein the antifouling coating composition further comprises a curing catalyst (G).

9. A method for improving the storage stability of an antifouling coating composition, the antifouling coating composition being in the form of a kit for the preparation of the antifouling coating composition, the kit being a multiple-component system comprising respective packages of a component including a diorganopolysiloxane (A) having at least two silanol groups in the molecule, and a component including an organosilane and/or a partial hydrolyzate condensate thereof (B) having at least two hydrolyzable groups in the molecule, the method being characterized in that a