BRIEF SUMMARY

[0007] In one aspect, this disclosure provides a coating composition comprising:

(i) about 90 - about 99 wt% of organic solvent comprising:

(a) about 25 - about 50 wt % of hexamethyl disiloxane and

(b) about 50 - about 75 wt % of 1,1,1,4,4,4-hexafluoro-butene, and

(ii) about 1 - about 10 wt% of silicone polymer.

[0008] In another aspect, this disclosure also provides an organic solvent to solve a silicone polymer represented by the formula (I);

$$(R^1R^2R^3)_3Si\text{-}O\text{-}[\ Si(R^4)(R^5)O]_m\text{-}[\ Si(R^6)(R^7)O]_n\text{-}\ Si\ (R^8R^9R^{10})_3 \qquad (I)$$

wherein R^1-R^{10} are respectively selected from alkyl group having 1 to 4 carbon atoms, H, OH, phenyl, vinyl, alkoxy, ON=C, $CH_2(O)CHCH_2OCH_2CH_2CH_2$, $CH_2CH_2CH_2NH_2$, $CH_2CH_2CH_2NHCH_2CH_2NH_2$ and $OCOCH_3$,

in which the organic solvent comprises:

(a) about 25 - about 50 wt % of hexamethyl disiloxane and

(b) about 50 - about 75 wt % of 1,1,1,4,4,4-hexafluoro-butene.

[0009] In another aspect, this disclosure further provides a method of forming a silicone polymer coating on at least a portion of a surface of an article, the method comprising the steps of:

(i) preparing an organic solvent comprising:

(a) about 25 - about 50 wt % of hexamethyl disiloxane and

(b) about 50 - about 75 wt % of 1,1,1,4,4,4-hexafluoro-butene,

(ii) mixing a silicone polymer and the organic solvent for about 1 to about 60 minutes to get a coating composition, then

(iii) applying the coating composition onthe surface of the article.

[0009a] In another aspect, the disclosure provides an article having a silicone polymer coating on at least a portion of the surface of the article, in which the silicone polymer coating is formed from the coating composition as disclosed herein.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] The present disclosure will hereinafter be described in conjunction with the following drawing Figure, wherein

[0011] FIG. 1 shows a penetration test result for silicone coated needle.