What is claimed is:

1. An additive for preparing suede on a polycrystalline silicon chip, comprising: ammonium citrate, polyvinylpyrrolidone, polyvinyl alcohol, citric acid and water wherein the mass percent of each component of the suede preparation additive for a polycrystalline silicon is as follows: ammonium citrate: 0.2-0.5%, polyvinylpyrrolidone: 0.1-1%, polyvinyl alcohol: 0.1-0.2%, citric acid: 2-2.5%, and water: the rest percent.

2. The additive for preparing suede on a polycrystalline silicon chip according to claim 1, wherein the water is deionized water.

3. A suede preparation liquid for preparing suede on a polycrystalline silicon chip, comprising: the additive for preparing suede on a polycrystalline silicon chip claimed in any one of claims 1 to 2 and an acid solution in a mass ratio of 0.1-0.6:100, wherein 7-14% of HF aqueous solution and 25-50% of HNO_3 aqueous solution are proportioned in the acid solution, the HF aqueous solution contains 49% of HF, and the HNO_3 aqueous solution contains 69% of HNO_3, wherein the percent refers to mass percent.

4. A method for preparing suede on a polycrystalline silicon chip, by using which suede is preparation on the surface of the polycrystalline silicon chip with the suede preparation liquid claimed in claim 3.

5. The method for preparing suede on a polycrystalline silicon chip according to claim 4, wherein the suede is prepared on the surface of the polycrystalline silicon

chip at a suede preparation temperature of 5-25 degrees centigrade for a suede preparation time of 45-180s.

6. The method for preparing suede on a polycrystalline silicon chip according to claim 5, comprising the following specific steps:

1) preparing a suede preparation additive: adding 0.2-0.5% of ammonium citrate, 0.1-1% of polyvinylpyrrolidone, 0.1-0.2% of polyvinyl alcohol, 2-2.5% of citric acid into the rest percent of water, mixing the components uniformly into the suede preparation additive;

2) preparing a suede preparation liquid: adding the suede preparation additive prepared in step 1) into an acid solution, uniformly mixing the suede preparation additive with the acid solution into the suede preparation liquid, wherein the mass ratio of the suede preparation additive to the acid solution is 0.1-0.6:100, wherein 7-14% of HF aqueous solution and 25-50% of HNO_3 aqueous solution are proportioned in the acid solution, the HF aqueous solution contains 49% of HF, and the HNO_3 aqueous solution contains 69% of HNO_3, wherein the percent refers to mass percent;

3) immersing a polycrystalline silicon chip into the suede preparation liquid prepared in step 2) to prepare suede on the surface of the polycrystalline silicon chip at a suede preparation temperature of 5-25 degrees centigrade for a suede preparation time of 45-180s.