CLAIMS

1. A method of controlling mixed liquid to be delivered for a SPM solution formed by mixing sulfuric acid with hydrogen peroxide, comprising the steps of: before the SPM solution comes into an acid scouring tank, mixing the sulfuric acid with the hydrogen peroxide at a specified volume ratio in a delivering pipe in a first stage and a second stage in turn, so as to make a mixed liquid after mixing in the first stage to further get mixed in the second stage; heating the mixed liquid in the first stage; monitoring in real time an oxygen concentration value of the mixed liquid flowing out after mixing in the first stage; and if the oxygen concentration value is smaller than an oxygen concentration value at full reaction, adding supplementary sulfuric acid and hydrogen peroxide at a specified volume ratio during mixing in the second stage, so as to enable the oxygen concentration value of the mixed liquid flowing out after mixing in the second stage monitored in real time to reach an oxygen concentration value at full reaction; and characterized by further comprising: making the mixed liquid flowing out after mixing in the second stage further get mixed in a third stage in the delivering pipe; if the temperature value of the mixed liquid flowing out after mixing in the first stage is smaller than a required value, continuing to heat during mixing in the second stage; and if the temperature value of the mixed liquid flowing out after mixing in the second stage is smaller than a required value, continuing to heat during mixing in the third stage.

2. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 1, characterized in that the method further comprises the step of: if the oxygen concentration value of the mixed liquid after mixing in the second stage or after mixing in the third stage mixing is smaller than an oxygen concentration value at full reaction, continuing to add supplementary sulfuric acid and hydrogen peroxide at a specified volume ratio at the time of mixing in the second stage.

3. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 1, characterized in that the method further comprises the step of: if the temperature value of the mixed liquid after mixing in the second stage is larger than a required value, continuing to cool the mixed liquid at the time of mixing in the third stage.

4. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 3, characterized in that in the first stage, the second stage and the third stage, the mixing is performed by using a mixing duct having a multi-section mixing screw rod inside.

5. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 4, characterized in that the heating is performed by the way of wrapping a heating tube

around the mixing duct to heat the mixed liquid inside the mixing duct.

6. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 4, characterized in that the cooling is performed by the way of feeding circulating cooling water outside the mixing duct to cool the mixed liquid inside the mixing duct.

7. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 4, characterized in that the method further comprises the step of: if the temperature value of the mixed liquid flowing out after mixing in the third stage is monitored to be smaller than a required value, supplementarily heating the mixed liquid flowing out from mixing in the third stage in the delivering pipe.

8. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 4, characterized in that the method further comprises the steps of: monitoring gas pressure values of the mixing duct, and if a monitored gas pressure value is higher than a set value, relieving pressure from the mixing duct.

9. The method of controlling mixed liquid to be delivered for the SPM solution according to claim 4, characterized in that the method further comprises the step of: delivering the mixed liquid the temperature and oxygen concentration values of which after mixing in any stage meet a required value directly to a SPM storage tank for storage in heat preservation, so as to get ready to directly deliver it to the acid scouring tank.