Claims

1. A process for semipermanent straightening of human hair, comprising the following steps:

a) application of aqueous solution of Glyoxylic acid on hair;

b) permanence of said solution in contact with hair for a time from 30 to 120 minutes;

c) drying of hair with hair-dryer;

d) hair straightening with hair-straightening iron, set at a temperature of approximately 200 +/- 30 C°.

2) A process as claimed in claim 1, characterized in that said Glyoxylic acid is dissolved in water in concentration comprised between 4.5 and 14.5 percent by weight.

3) A process as claimed in claim 1 or 2, characterized in that said aqueous solution containing Glyoxylic acid is added to a mixture of Diacetyl and Acetoin.

4) A process as claimed in claim 3, characterized in that said mixture of Diacetyl and Acetoin is dissolved in said aqueous solution of Glyoxylic acid in concentration comprised between 1 and 5% by weight.

5) A process as claimed in any one of the preceding claims, characterized in that said aqueous solution of Glyoxylic acid is dissolved in a cosmetic hair formulation.

6) A process as claimed in any one of the preceding claims, characterized in that said aqueous solution of Glyoxylic acid comprises 90 g of water and 10 g of glyoxylic acid.

7) A process as claimed in any one of the preceding claims, characterized in that permanence of said aqueous solution of Glyoxylic acid in contact with hair is 60 minutes.

CLAIMS

1. A process for semipermanent straightening of human hair in acidic condition without using substances being able to react with cystine disulfide bridges or by means of alkali, comprising the following steps:

a) application of aqueous solution of Glyoxylic acid on hair, the concentration of Glyoxylic acid in the aqueous solution being between 4.5 and 14.5 percent by weight;

b) permanence of said solution in contact with hair for a time from 30 to 120 minutes;

c) drying of hair with hair-dryer;

d) hair straightening with hair-straightening iron, set at a temperature of approximately 200 +/- 30 C°.

2. A process as claimed in claim 1, characterized in that said aqueous solution containing Glyoxylic acid is added to a mixture of Diacetyl and Acetoin.

3. A process as claimed in claim 2, characterized in that said mixture of Diacetyl and Acetoin is dissolved in said aqueous solution of Glyoxylic acid in concentration comprised between 1 and 5% by weight.

4. A process as claimed in any one of claims 1 to 3, characterized in that said aqueous solution of Glyoxylic acid is

dissolved in a cosmetic hair formulation.

5. A process as claimed in any one of claims 1 to 4, characterized in that said aqueous solution of Glyoxylic acid comprises 90 g of water and 10 g of glyoxylic acid.

6. A process as claimed in any one of claims 1 to 5, characterized in that permanence of said aqueous solution of Glyoxylic acid in contact with hair is 60 minutes.