CLAIMS

1. A method for producing water-absorbent resin particles by subjecting a water-soluble ethylenically unsaturated monomer to reversed-phase suspension polymerization in a dispersion medium, the method comprising performing the reversed-phase suspension polymerization in the presence of an organic acid monoglyceride,

wherein the organic acid monoglyceride is a compound in which a fatty acid is ester-bonded with one of three hydroxyl groups in glycerol, and at least one of the glycerol's two remaining hydroxyl groups is ester bonded with an organic acid.

2. The method for producing water-absorbent resin particles according to claim 1, wherein the organic acid monoglyceride has one ester group in which a fatty acid having 10 to 18 carbon atoms is ester-bonded with one hydroxyl group of the glycerol, and one or two ester groups in which an organic acid having 2 to 8 carbon atoms is ester-bonded with one or two hydroxyl groups of the glycerol.

3. The method for producing water-absorbent resin particles according to claim 2, wherein the fatty acid having 10 to 18 carbon atoms is at least one member selected from the group consisting of capric acid, lauric acid, myristic acid, palmitic acid, stearic acid, and oleic acid.

4. The method for producing water-absorbent resin particles according to claim 2, wherein the organic acid

having 2 to 8 carbon atoms is at least one member selected from the group consisting of acetic acid, lactic acid, citric acid, succinic acid, and diacetyl tartaric acid.

5. The method for producing water-absorbent resin particles according to claim 1, wherein the organic acid monoglyceride is at least one member selected from the group consisting of glyceryl monolaurate acetate, glyceryl monostearate acetate, glyceryl monostearate lactate, glyceryl monostearate citrate, and glyceryl monooleate citrate.

6. The method for producing water-absorbent resin particles according to claim 1, wherein the amount of the organic acid monoglyceride is 0.1 to 30 parts by mass per 100 parts by mass of the water-soluble ethylenically unsaturated monomer.

7. The method for producing water-absorbent resin particles according to claim 1, wherein the reversed-phase suspension polymerization is performed in the presence of a radical polymerization initiator.

8. The method for producing water-absorbent resin particles according to claim 1, wherein the dispersion medium is a hydrocarbon dispersion medium.

9. The method for producing water-absorbent resin particles according to claim 1, the method comprising, after the reversed-phase suspension polymerization, adding a crosslinking agent to perform post-crosslinking.

10. The method for producing water-absorbent resin

particles according to claim 1, wherein the water-soluble ethylenically unsaturated monomer is at least one member selected from the group consisting of (meth)acrylic acid, salts thereof, (meth)acrylamide, and N,N-dimethyl(meth)acrylamide.

11. The method for producing water-absorbent resin particles according to claim 3, wherein the organic acid having 2 to 8 carbon atoms is at least one member selected from the group consisting of acetic acid, lactic acid, citric acid, succinic acid, and diacetyl tartaric acid.

12. The method for producing water-absorbent resin particles according to claim 11, wherein the amount of the organic acid monoglyceride is 0.1 to 30 parts by mass per 100 parts by mass of the water-soluble ethylenically unsaturated monomer.

13. The method for producing water-absorbent resin particles according to claim 12, wherein the water-soluble ethylenically unsaturated monomer is at least one member selected from the group consisting of (meth)acrylic acid, salts thereof, (meth)acrylamide, and N,N-dimethyl(meth)acrylamide.

14. The method for producing water-absorbent resin particles according to claim 5, wherein the amount of the organic acid monoglyceride is 0.1 to 30 parts by mass per 100 parts by mass of the water-soluble ethylenically unsaturated monomer.

15. The method for producing water-absorbent resin particles according to claim 14, wherein the water-soluble

ethylenically unsaturated monomer is at least one member selected from the group consisting of (meth)acrylic acid, salts thereof, (meth)acrylamide, and N,N-dimethyl(meth)acrylamide.

16. The method for producing water-absorbent resin particles according to claim 15, wherein the inverse suspension polymerization is performed in the presence of a radical polymerization initiator.

17. The method for producing water-absorbent resin particles according to claim 16, wherein the dispersion medium is a hydrocarbon dispersion medium.

18. The method for producing water-absorbent resin particles according to claim 17, the method comprising, after the inverse suspension polymerization, adding a crosslinking agent to perform post-crosslinking.