Claims

1. A solids powder comprising particles having an average particle size of from 0.1 to 50 µm with predominantly a core-shell structure, wherein the core is made of a core material which comprises at least one water-insoluble fatty acid salt and the shell is made of a shell material which comprises at least one salt of a fatty acid, wherein the at least one fatty acid in the shell is at least 70 wt.% an alkali metal salt or an amino salt, based on the total amount of fatty acids present in the shell, and the solids powder when introduced into water or at least one polar organic solvent or a mixture comprising water and at least one polar organic solvent, at a temperature of 23 °C while exposed to a mechanical force, forms a complete dispersion within 60 minutes or less.

2. A solids powder as claimed in claim 1, characterized in that the core comprises a fatty acid salt with a metal cation or an ammonium cation or a mixture of fatty acid salts of at least two different metal cations or two different ammonium cations or a mixture of at least one metal cation and at least one ammonium cation, wherein the metal cations are chosen from the group consisting of alkali metals, alkaline earth metals, zinc, aluminum and rare earths.

3. A solids powder as claimed in one of the preceding claims, characterized in that the core material comprises at least one organic or inorganic carrier material.

4. A solids powder as claimed in one of the preceding claims, characterized in that the content of fatty acid salts of fatty acids having 8 to 18 C atoms, based on the total amount of the fatty acid salts in the shell material, makes up 20 wt.% or more than 20 wt.%.

5. A solids powder as claimed in one of the preceding claims, characterized in that it comprises at least one fatty acid salt of one of the metals sodium-, potassium-, zinc, magnesium or calcium.

6. A solids powder as claimed in one of the preceding claims, characterized in that comprises an anionic or a nonionic emulsifier in the shell.

7. A solids powder as claimed in one of the preceding claims, characterized in that it comprises at least one additive chosen from solvents, binders, polymers, colloids, surfactants, emulsifiers or solvents, or a mixture of two or more thereof.

8. A solids powder as claimed in one of the preceding claims, characterized in that it comprises at least one nonionic emulsifier having an HLB value of from 5 to 20.

Claims

1. A solids powder comprising particles having an average particle size of from 0.1 to 50 μm with predominantly a core-shell structure, wherein the core is made of a core material which comprises at least one water-insoluble fatty acid salt and the shell is made of a shell material which comprises at least one salt of a fatty acid, wherein the at least one fatty acid salt in the shell is at least 70 wt.% an alkali metal salt or an amino salt, based on the total amount of fatty acids present in the shell, and the solids powder when introduced into water or at least one polar organic solvent or a mixture comprising water and at least one polar organic solvent, at a temperature of 23 °C while exposed to a mechanical force, forms a complete dispersion within 60 minutes or less.

2. A solids powder as claimed in claim 1, characterized in that the core comprises a fatty acid salt with a metal cation or an ammonium cation or a mixture of fatty acid salts of at least two different metal cations or two different ammonium cations or a mixture of at least one metal cation and at least one ammonium cation, wherein the metal cations are chosen from the group consisting of alkali metals, alkaline earth metals, zinc, aluminum and rare earths.

3. A solids powder as claimed in one of the preceding claims, characterized in that the core material comprises at least one organic or inorganic carrier material.

4. A solids powder as claimed in one of the preceding claims, characterized in that the content of fatty acid salts of fatty acids having 8 to 18 C atoms, based on the total amount of the fatty acid salts in the shell material, makes up 20 wt.% or more than 20 wt.%.

5. A solids powder as claimed in one of the preceding claims, characterized in that it comprises at least one fatty acid salt of one of the metals sodium-, potassium-, zinc, magnesium or calcium.

6. A solids powder as claimed in one of the preceding claims, characterized in that comprises an anionic or a nonionic emulsifier in the shell.

7. A solids powder as claimed in one of the preceding claims, characterized in that it comprises at least one additive chosen from solvents, binders, polymers, colloids, surfactants, emulsifiers or solvents, or a mixture of two or more thereof.

8. A solids powder as claimed in one of the preceding claims, characterized in that it comprises at least one nonionic emulsifier having an HLB value of from 5 to 20.