CLAIMS

1. An ultraviolet radiation screening cosmetic composition in which a ring-mill base comprising a dispersion medium, a dispersant, a thickening agent, and an inorganic powder particle having 5 to 2000 nm of average particle size, wherein the inorganic powder particle is maintained in the prepared ring-mill base at dispersed status,

wherein the dispersion medium is at least one selected from the group consisting of alcohol benzoate having 12 to 15 carbon atoms, cyclopentasiloxane, caprylic/capric triglyceride, dimethicone, dicaprylyl carbonate, isopropyl myristate, and octyldodecanol,

wherein the dispersant is at least one selected from the group consisting of acrylate/ethylhexyl acrylate/dimethicone methacrylate copolymer, polyglyceryl-3 polyricinoleate, polyhydroxystearic acid, polyglyceryl-3 polydimethylsiloxyethyl dimethicone, cetyl PEG/PPG-10/1 dimethicone, PEG-10 dimethicone, lauryl PEG-9 polydimethylsiloxyethyl dimethicone, bis-PEG/PPG-14/14 dimethicone, PEG-30 dipolyhydroxystearate, and polyglyceryl-2 dipolyhydroxystearate,

wherein the thickening agent is at least one selected from the group consisting of disteardimonium hectorite, stearalkonium hectorite, trihydroxystearin, vinyl dimethicone/methicone silsesquioxane crosspolymer, polymethylsilsesquioxane, and polymethyl methacrylate,

wherein the inorganic powder particle is at least one selected from the group consisting of zinc oxide, titanium dioxide, cerium oxide, zirconium dioxide, and a mixture thereof, and

wherein the content of the inorganic powder particle is 20% by weight to 70% by weight based on the total weight of the composition.

2. The ultraviolet radiation screening cosmetic composition of claim 1, wherein the inorganic powder particle is a mixture of zinc oxide and titanium dioxide.

3. The ultraviolet radiation screening cosmetic composition of claim 1, wherein the content of the dispersion medium is 20% by weight to 90% by weight based on the total weight of the composition, and wherein the content of the dispersant is 0.5% by weight to 20% by weight based on the total weight of the composition.

4. The ultraviolet radiation screening cosmetic composition of claim 1, wherein the amount of the thickening agent is 0.1% by weight to 10% by weight based on the total weight of the composition.

5. A method for preparing an ultraviolet radiation screening cosmetic composition comprising the steps of:

preparing a solution containing a dispersion medium, a dispersant, a thickening agent, and an inorganic powder particle by firstly mixing the dispersion medium, the dispersant and the thickening agent to make a mixed solution, dispersing the mixed solution with an agi-mixer, and then adding the inorganic powder particle into the dispersed solution;

preparing a ring-mill base by stirring the prepared solution with a ring-mill dispersion method in a container containing a bead, wherein the inorganic powder particle is maintained in the prepared ring-mill base at dispersed status,

preparing an oil phase part by mixing the ring-mill base with components for forming the oil phase part,

preparing a water phase part by mixing components forming the water phase part, and

mixing and emulsifying the prepared oil phase with the prepared water phase.