WHAT IS CLAIMED IS:

[Claim 1]

A liquid quick-setting agent containing at least 30 parts by mass of aluminum sulfate as calculated on solid basis per 100 parts by mass thereof, and a bisphenol-type condensation product, wherein the bisphenol-type condensation product is bisphenol S condensation product.

[Claim 2]

A liquid quick-setting agent containing 30 to 45 parts by mass of aluminum sulfate and 0.5 to 5 parts by mass of a bisphenol-type condensation product as calculated on solid basis per 100 parts by mass thereof, and water.

[Claim 3]

A liquid quick-setting agent as recited in claim 1 or 2, wherein said bisphenol-type condensation product has an average molecular weight of 1,000 to 30,000.

~~[Claim 4]~~

~~A liquid quick-setting agent as recited in any one of claims 1 to 3, wherein said bisphenol-type condensation product is bisphenol S.~~

[Claim 4~~5~~]

A liquid quick-setting agent as recited in any one of claims 1 to 3~~4~~, which is a suspension wherein insoluble particles containing aluminum sulfate is dispersed at -5 to 40℃ in water.

[Claim 5~~6~~]

A cement composition containing cement and a liquid

quick-setting agent as recited in any one of claims 1 to 4~~5~~.

[Claim 6~~7~~]

A spraying material containing a cement composition as recited in claim 5~~6~~.

[Claim 7~~8~~]

A ~~spraying~~ method of preparing a spraying material in which cement is mixed with a liquid quick-setting agent as recited in any one of claims 1 to 4~~5~~.