CLAIMS

[Claim 1]

A cement admixture containing free lime, gypsum anhydride, Ye'elimite, and ternesite, wherein a mass ratio of the Ye'elimite to the ternesite (Ye'elimite/ternesite) is 0.5 to 40, and wherein an amount of the ternesite is 5 to 15 parts by mass with respect to 100 parts by mass of the cement admixture.

[Claim 2]

The cement admixture according to claim 1, which contains 20 to 80 mass% of the free lime.

[Claim 3]

The cement admixture according to claim 1 or 2, wherein a total mass ratio of the free lime and the gypsum anhydride to the ternesite ((free lime + gypsum anhydride)/ternesite) is between 10 and 90.

[Claim 4]

The cement admixture according to claim 1 or 2, wherein a total mass ratio of the free lime and the gypsum anhydride to the ternesite ((free lime + gypsum anhydride)/ternesite) is 20 to 90.

[Claim 5]

An expansive material comprising the cement admixture according to any one of claims 1 to 4.

[Claim 6]

A cement composition containing the cement admixture according to any one of claims 1 to 4.