CLAIMS

[Claim 1]

A method for purifying hexafluorobutadiene, comprising bringing a composition containing hexafluorobutadiene into contact with a zeolite having an SiO_2/Al_2O_3 ratio of 4.0 to 8.0 and having an average pore size of 5 Å to 9 Å.

[Claim 2]

The purification method according to claim 1, wherein an impurity other than the hexafluorobutadiene is adsorbed onto the zeolite to remove the impurity from the composition.

[Claim 3]

The purification method according to claim 1 or 2, wherein the purity of the hexafluorobutadiene in the composition after the purification is 99.99 volume% or more.

[Claim 4]

The purification method according to any of claim 1 or 2, wherein the purity of the hexafluorobutadiene in the composition after the purification is 99.995 volume% or more.

[Claim 5]

A method for producing a composition containing hexafluorobutadiene, comprising bringing a composition containing hexafluorobutadiene into contact with a zeolite having an SiO_2/Al_2O_3 ratio of 4.0 to 8.0 and having an average pore size of 5 Å to 9 Å,

wherein the purity of the hexafluorobutadiene in the composition after the contact with the zeolite is 99.99 volume% or more.

[Claim 6]

The production method according to claim 5, wherein an impurity other than the hexafluorobutadiene is adsorbed onto the

zeolite to remove the impurity from the composition before the contact with the zeolite.

[Claim 7]

The production method according to claim 5 or 6, wherein the purity of the hexafluorobutadiene in the composition after the purification is 99.995 volume% or more.

[Claim 8]

A composition comprising hexafluorobutadiene having a purity of 99.995 volume% or more.

[Claim 9]

The composition according to claim 8, which is used as an etching gas or a building block for organic synthesis.