

METHOD FOR COLLECTION OF HEXACHLORODISILANE AND PLANT FOR THE METHOD

ABSTRACT

Disclosed is a method for collecting hexachlorodisilane which is produced as a by-product in the production of trichlorosilane from tetrachlorosilane and hydrogen. The method has the steps of: reacting a source gas composed of vaporized trichlorosilane and hydrogen at a temperature ranging from 700 to 1400 °C to yield a reaction product gas; cooling the reaction product gas to a temperature ranging from 30 to 60 °C to yield a cooled condensate liquid containing hexachlorodisilane; and concentrating and collecting a high boiling material containing hexachlorodisilane from the cooled condensate liquid.