equilibrium constant

Quantity characterizing the equilibrium of a chemical reaction and defined by an expression of the type $K_x = \prod_B x_B^{\nu_B}$, where ν_B is the *stoichiometric number* of a reactant (negative) or product (positive) for the reaction and x stands for a quantity which can be the equilibrium value either of pressure, fugacity, amount concentration, amount fraction, molality, relative activity or reciprocal absolute activity defining the pressure based, fugacity based, concentration based, amount fraction based, molality based, relative activity based or *standard equilibrium constant* (then denoted K°), respectively.

G.B. 50; see also 1990, *62*, 2187; 1996, *68*, 972