

helium dead-space (in colloid and surface chemistry)

The position of the *Gibbs surface* is often defined experimentally as that surface which encloses the volume of space from which the solid excludes helium gas (the so-called helium dead-space), and is associated with the assumptions that the volume of the solid is unaffected by the *adsorption* of component *i*, and that helium is not adsorbed by the solid. This requires that the measurement of the helium dead-space be made at a sufficiently high temperature.

1972, 31, 595