doi:10.1351/goldbook.S06029

Stokes number, *St*

Sometimes referred to as the inertial parameter; it is an index of the impactability of an aerosol particle. It is defined by the equation: $St = 2\,\tau\,(V_t - v_t)\,D_p$ where D_p is the diameter of a small drop, $V_t - v_t$ is the difference in fall velocities of the drop and aerosol particles and τ is the characteristic relaxation time of a particle.

Source:
PAC, 1990, *62*, 2167 *(Glossary of atmospheric chemistry terms (Recommendations 1990))* on page 2216

