log-normal distribution

A distribution function $F(y)$, in which the logarithm of a quantity is normally distributed, i.e. $F(y) = f_{\text{gauss}}(\ln y)$ where $f_{\text{gauss}}(x)$ is a Gaussian distribution. The size distributions of atmospheric aerosols are often described using this distribution function, although the term also applies to gaseous pollutants.

Source:
PAC, 1990, *62*, 2167 *(Glossary of atmospheric chemistry terms (Recommendations 1990))* on page 2199