$|\vec{v}_{\mu}(t)|_{H^{q}(\Omega)} \leq |\vec{v}_{\mu}(0)|_{H^{q}(\Omega)} e^{\int_{0}^{t} C_{q}\left((C_{*} + \tilde{C}_{*}t)e^{C_{*}t} + |\vec{v}_{0,0}^{\mu}|_{W^{q+1,\infty}(\Omega)}\right)ds},$