We have produced a two-species mirror-magneto-optical trap containing a mixture of $^{87}\text{Rb}$ ($^{85}\text{Rb}$) and $^{133}\text{Cs}$ atoms. We measured the heteronuclear collisional loss rate $\beta_{\text{Rb-Cs}}$ due to intra-species cold collisions. We find a distinct difference in the magnitude and intensity dependence of $\beta_{\text{Rb-Cs}}$ for the two isotopes $^{87}\text{Rb}$ and $^{85}\text{Rb}$ which we attribute to the different ground-state hyperfine splitting energies of the two isotopes. Total trap losses in excess 70% were measured.