The $^2\Sigma^+ - ^2\Pi$ LIF spectrum of the previously unknown germanium methylidyne radical has been observed by fragmentation of tetramethylgermane in a pulsed discharge jet. Extensive series of bands of both GeCH and GeCD were observed in the near-infrared. The strongest band of GeCH at 14,700 cm$^{-1}$ has been recorded at high resolution and rotationally analyzed to provide ground and excited state rotational constants. The vibrational frequencies, spin-orbit splitting and bonding will be discussed.