Species Tag: 112002
Name: C8O
Version: 1
Octacarbon monoxide
Date: April 1996
Contributor: H. S. P. Müller

Lines Listed: 644
Freq. (GHz) < 207
Max. J: 99
LOGSTR0 = -9.9
LOGSTR1 = -7.0
Isotope Corr.: Q(18.75) = 2619.3581
Egy. (cm$^{-1}$) > 0.0
$\mu_a = 4.629$ A$=$
$\mu_b = B =$ 400.6418
$\mu_c =$ C$=$

The data were taken from Y. Ohshima, Y. Endo, and T. Ogata, 1995, J. Chem. Phys. 102 1493.
The dipole moment is from an \textit{ab initio} calculation: N. Moazzen-Ahmadi and F. Zerbetto, 1995, J. Chem. Phys. 103, 6343.
The partition function has been calculated up to $J = 360$ because of the low rotational constant.