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           Population analysis using the SCF density.

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Orbital symmetries:
      Occupied  (SG) (SG) (SG) (SG) (PI) (PI) (SG)
      Virtual   (PI) (PI) (SG)
The electronic state is 1-SG.
Alpha  occ. eigenvalues --  -20.49362 -11.11511  -1.57552  -0.72113  -0.64241
Alpha  occ. eigenvalues --   -0.64241  -0.45542
Alpha virt. eigenvalues --    0.37448   0.37448   1.29137
    Molecular Orbital Coefficients
                           1         2         3         4         5
                         (SG)--O   (SG)--O   (SG)--O   (SG)--O   (PI)--O
    EIGENVALUES --   -20.49362 -11.11511  -1.57552  -0.72113  -0.64241
  1 1    C  1S          0.00006   0.99337  -0.15181   0.14468   0.00000
  2         2S         -0.01256   0.02643   0.20128  -0.38176   0.00000
  3         2PX         0.00000   0.00000   0.00000   0.00000   0.44260
  4         2PY         0.00000   0.00000   0.00000   0.00000   0.00000
  5         2PZ        -0.00944   0.00779   0.16987  -0.08086   0.00000
  6 2    O  1S          0.99387  -0.00128  -0.22438  -0.13065   0.00000
  7         2S          0.03212  -0.00656   0.74774   0.64875   0.00000
  8         2PX         0.00000   0.00000   0.00000   0.00000   0.76636
  9         2PY         0.00000   0.00000   0.00000   0.00000   0.00000
 10         2PZ        -0.00937  -0.00201  -0.28069   0.71941   0.00000
                           6         7         8         9        10
                         (PI)--O   (SG)--O   (PI)--V   (PI)--V   (SG)--V
    EIGENVALUES --    -0.64241  -0.45542   0.37448   0.37448   1.29137
  1 1    C  1S          0.00000  -0.17592   0.00000   0.00000   0.10417
  2         2S          0.00000   0.84545   0.00000   0.00000  -1.31368
  3         2PX         0.00000   0.00000   0.95804   0.00000   0.00000
  4         2PY         0.44260   0.00000   0.00000   0.95804   0.00000
  5         2PZ         0.00000  -0.55848   0.00000   0.00000  -1.44252
  6 2    O  1S          0.00000   0.01997   0.00000   0.00000  -0.13789
  7         2S          0.00000  -0.04794   0.00000   0.00000   1.49810
  8         2PX         0.00000   0.00000  -0.72556   0.00000   0.00000
  9         2PY         0.76636   0.00000   0.00000  -0.72556   0.00000
 10         2PZ         0.00000   0.35882   0.00000   0.00000  -1.06409
```