Structure*	Polarity	Solubility in water (g/L) [†]
N≡N	Nonpolar	0.018 (40 °C)
0=0	Nonpolar	0.035 (50 °C)
$ \begin{array}{ccc} & & & & & & & \\ \bullet & & & & & & \\ \bullet $	Nonpolar	0.97 (45°C)
H H H 8-	Polar	900 (10 °C)
H H 8-	Polar	1,860 (40 °C)
	$N = N$ $0 = 0$ $0 = C = 0$ $H H H H _{\delta^{-}}$	$N \equiv N$ $N = $

^{*}The arrows represent electric dipoles; there is a partial negative charge (δ^-) at the head of the arrow, a partial positive charge (δ^+ ; not shown here) at the tail.

[†]Note that polar molecules dissolve far better even at low temperatures than do nonpolar molecules at relatively high temperatures.