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## **Supercritical fluid**

A **supercritical fluid** is any substance at a temperature and pressure above its critical point, where distinct liquid and gas phases do not exist. It can effuse through solids like a gas, and dissolve materials like a liquid.

Solvent	Molecular weight g/mol	Critical temperature K	Critical pressure Mpa (atm)	Critical density g/cm <sup>3</sup>
Carbon dioxide (CO <sub>2</sub> )	44.01	304.1	7.38 (72.8)	0.469
Water (H <sub>2</sub> O)	18.015	647.096	22.064 (217.755)	0.322















