

Property	HFE7000 ¹	HFE7100 ¹	water
chemical formula	C ₃ F ₇ OCH ₃	C ₄ F ₉ OCH ₃	H ₂ O
molecular weight (g mol ⁻¹)	200	250	18
boiling point @ 1 atm (K)	307	334	373
refractive index ²	1.26	1.27	1.33
liquid density @ 298 K (kg m ⁻³)	1400	1481	995
kinematic viscosity @ 298 K (mm ² s ⁻¹)	0.32	0.37	1
surface tension (kg s ⁻²)	0.0124	0.0136	0.072
specific heat @ 298 K (J kg ⁻¹ K ⁻¹)	1300	1183	4179
thermal conductivity @ 298 K (W m ⁻¹ K ⁻¹)	0.075	0.069	0.606
global warming potential ^{3,4}	370	320	-
ozone depletion potential ⁴	0	0	-
atmospheric lifetime (yr)	4.9	4.1	-

¹ Supplied by the manufacturer

² At a temperature and pressure of 296 K, 101.3 kPa, and for wavelengths of 488.0 and 514.5 nm

³ See Ref. [47] for definition

⁴ See Ref. [48] for definition