

	ecomate®	HCFCs*			HFCs*		Pentanes	HFOs		HCFO
		141b	22	134a	245fa	365mfc		1336mzzm(z)	1336mzzm(e)	1233zd(E)
ODP	0	0.11	0.055	0	0	0	0	0	ND	0
GWP	0	725	1810	1430	1030	960	11	5	ND	1
VOC	Exempt	Exempt	Exempt	Exempt	Exempt	N/A	Yes	Exempt	ND	ND
MW	60	117	86.5	102	134	150	70 – 72	164.1	164.1	130
BPt, C	32	32.2	-40.8	-26.2	10	30	28 – 49	33.4	9	19
Lambda	10.7	10	11	14	12	10.7	11 – 14	10.7	ND	10.2
Flash Pt, C	-19	None	None	None	None	None	-37 – -51	-21	7.5	NA
Sp. Gr.	0.982	1.24	1.19	1.22	1.32	1.28	0.624 – 0.75	1.36	1.31	1.30
Kyoto Compliant	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes
Montreal Compliant	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vapor Pressure @ 20°C [hPa]	634	736	8,480	5,700	1,227	433	450-770	604	1,653	1,063
Flammability LEL	5%	7.6%	None	None	None	3.8	1.1% – 1.5%	None	None	None

\*Targeted for phase out under Montreal Protocol Guidelines

\*\*Targeted for phase out by the U.S. EPA