Versatill®											
Cleaning Degreasing		**Light Duty**				**Medium Duty**			**Heavy Duty**		
Properties	**Unit**	**P**	**PE**	**L**	**LE**	**LC**	**LCa**	**SG35i**	**QP5**	**QP5i**	**SG65i**
Consist of		HFE	HFE, Alcohol	HFE	HFE, Alcohol	tDCE, HFE	tDCE, HFE, Alcohol	tDCE, HFC Alcohol	tDCE, HFE	tDCE, HFE, Alcohol	tDCE, HFC Alcohol
Boiling Point	°C	**93**	**91**	**51**	**50**	39	38	**36**	**48**	**48**	**36**
Flash Point[c]	°C	None	None	None	None	None	None	None	none	none	None
Vapor Pressure	kPA	9	12	36	38	51	53	67	47	45	67
Heat of Vaporization	kJ/kg	122	132	172	175	192	205	254	235	240	254
Liquid Density	g/cm³	1.53	1.49	1.38	1.32	1.32	1.31	1.22	1.29	1.26	1.22
Kinematic Viscosity	cSt	0.43	0.43	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32
Specific Heat	J/kg-K	1230	1190	1333	1260	1310	1302	1310	1085	1072	1310
Surface Tension	mN/m	13.7	12	15	13.2	15.1	16.2	18	19	19	18
Kauri-butanol value	Kb	**10**	**12**	**10**	**12**	**33**	**38**	**38**	**109**	**108**	**77**
Dielectric Strength	kV	>25	>15	>25	>15	>25	>25	>25	>35	>35	>25
Global Warming Potential	GWP	**61**	**57**	**27**	**25**	**13**	**12**	**145**	3	**3**	**275**
Ozone Depletion Potential	ODP	0	0	0	0	0	0	0	0	0	0
Exposure Guidelines	ppm	200	200	500	500	>200	>200	>200	200	200	>200
Replacement for	CFCs	●	●	●	●	●	●	●	●	●	●
	HCFCs	●	●	●	●	●	●	●	●	●	●
	HFCs	●	●	●	●	●	●		●	●	
	TCEs					●	●	●	●	●	●
	HFEs							●			●
	nPB					●	●	●	●	●	●
	Aqueous	●	●	●	●	●	●	●	●	●	●
Effectively Removes Soils	Light Oils	●	●	●	●	●	●	●	●	●	●
	Medium Oils					●	●	●	●	●	●
	Fluoro Lubes	●	●	●	●	●	●				
	Particulates	●	●	●	●	●	●	●			●
	Ionic Soils		●		●		●	●		●	●
	Greases					●	●	●	●	●	●
	Fluoro Greases	●	●	●	●	●	●	●			●
	Silicones					●	●	●	●	●	●
	Fluoro Silicones					●	●			●	
	Flux					●	●	●	●	●	●
	Wax					●	●	●	●	●	●
Solubility	Fluorocarbon	High	High	High	High	Medium	Medium	Medium	Low	Low	Low
	Hydrocarbon	Medium	Medium	Medium	Medium	High	High	High	High	High	High
	Silicone	Low	Low	Low	Low	Medium	Medium	Medium	High	High	High
Compatibility	**Plastics**	Requires Individual Testing				Requires Individual Testing			Requires Individual Testing		
	Acrylics, ABS, Polycarbonate	High	High	High	High	None	None	None	None	None	None
	PTFE, PEEK, Nylon, epoxy	High	High	High	High	High	High	High	High	High	High
	Silicones	Medium	Medium	Medium	Medium	Low	Low	Medium	Low	Low	Low
	Ceramics	High	High	High	High	High	High	High	High	High	High
	Metals	High	High	High	High	High	High	High	High	High	High
Percision Cleaning Application	Co-Solvent	●	●	●	●						
	Vapor Degreasing	●	●	●	●	●	●	●	●	●	●
	Immersion	●	●	●	●	●	●	●	●	●	●
	Hand-Wipe	●	●	●	●	●	●	●	●	●	●
	Spray Cleaning	●	●	●	●	●	●	●	●	●	●