

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/cm ³	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
Precision Cleaning Application	Co-Solvent	•	•	•	•						
	Vapor Degreasing	•	•	•	•	•	•	•	•	•	•
	Immersion	•	•	•	•	•	•	•	•	•	•
	Hand-Wipe	•	•	•	•	•	•	•	•	•	•
	Spray Cleaning	•	•	•	•	•	•	•	•	•	•

Not for specification purposes. All values @ 25°C unless otherwise specified.
 Values gathered from public sources or calculated based on available data.
 GWP-100 year ITH, CO₂ = 1.0

Trade marks are the property of their respective owners.