Table 10-1 REFRACTIVE INDEX, DIPOLE MOMENT, AND RADIUS OF GYPATION CONTROL OF CAMPAGE AND C

NO	FORMULA	NAME		lve Index	Dipole Mome		adius of Gyration
781	C8H10	p-XYLENE	T, C	Value @ T	State	Debye	Angstrom
782	C8H10O	m-ETHYLPHENOL	25.0	1.4932	gas	0.00	3,831
783	C8H10O	p-ETHYLPHENOL			900		3,001
784	C8H10O	PHENETOLE	25.0	1.5240			4,130
785	C8H10O	2-PHENYLETHANOL	25.0	1.5049	gas	1.41	4.174
786	C8H10O	2,3-XYLENOL	19.9	1.5323	in benzene	1.65	4.279
787	C8H10O	2,4-XYLENOL	25.0	1.5420	in benzene	1.25	4.069
788	C8H10O	2,5-XYLENOL	19.9	1.5320	in benzene	1.39	4.143
789	C8H10O	2,6-XYLENOL	74.9	1.5120	in benzene	1.43	4.128
790	C8H10O	3,4-XYLENOL	19.9	1.5371	in benzene	1.41	4.068
791	C8H10O	3,5-XYLENOL	19.9	1.5442	gas	1.77	4,156
792	C8H11N	N,N-DIMETHYLANILINE	19.9		in benzene	1.76	4,318
793	C8H11N	o-ETHYLANILINE	19.9	1.5584	gas	1.68	4.076
794	C8H11N C8H11NO	2,4,6-TRIMETHYLPYRIDINE	25.0	1.5588			4.157 4.306
795	-	p-PHENETIDINE	25.0	1.4959 1.5528	liquid	2.00	4.414
796	C8H12	1,5-CYCLOOCTADIENE	25.0	1.5528			3.732
797	C8H12	VINYLCYCLOHEXENE	19.9	1.4905			3.869
798	C8H12O4	1,4-CYCLOHEXANEDICARBOXYLIC ACID		1.4041			4.901
799	C8H12O4	DIETHYL MALEATE	25.0	1.4568	in benzene	2.56	5.242
800	C8H14O2	n-BUTYL METHACRYLATE	25.0	1.4215	in benzene	2.15	5.125
801	C8H14O3	BUTYRIC ANHYDRIDE	25.0	1.4105	III Delizelle	2.13	4.936
802	C8H14O4	DIETHYL SUCCINATE	19.9	1.4200	in benzene	2.16	5.150
803	C8H16	CYCLOOCTANE	25.0	1.4563	20120110		
804	C8H16	1,1-DIMETHYLCYCLOHEXANE	25.0	1.4266	gas	0.00	3.668
805	C8H16	cis-1,2-DIMETHYLCYCLOHEXANE	25.0	1.4336			3.759
806	C8H16	trans-1,2-DIMETHYLCYCLOHEXANE	25.0	1.4247	gas	0.00	3.883
807	C8H16	cis-1,3-DIMETHYLCYCLOHEXANE	25.0	1.4206	gas	0.00	3.972
808	C8H16	trans-1,3-DIMETHYLCYCLOHEXANE	25.0	1.4284	gas	0.00	3.982
809	C8H16	ds-1,4-DIMETHYLCYCLOHEXANE	25.0	1.4273	gas	0.00	3.905
810	C8H16	trans-1,4-DIMETHYLCYCLOHEXANE	25.0	1.4185	gas	0.00	3.907
811	C8H16	ETHYLCYCLOHEXANE	25.0	1.4307	gas	0.00	3.932
812	C8H16	2-ETHYL-1-HEXENE	25.0	1.4132			4.579
813	C8H16	1-METHYL-1-ETHYLCYCLOPENTANE	25.0	1.4248	gas	0.00	3.773
814	C8H16	1-OCTENE	25.0	1.4062	liquid	0.34	4.457
815	C8H16	trans-2-OCTENE	25.0	1.4107			4.375
816	C8H16	trans-3-OCTENE	25.0	1.4102	liquid	0.00	4.415
817	C8H16	trans-4-OCTENE	25.0	1.4093	liquid	0.00	4.419
818	C8H16	n-PROPYLCYCLOPENTANE	25.0	1.4239	gas	0.00	4.135
819	C8H16	2,4,4-TRIMETHYL-1-PENTENE	25.0	1.4060			3.994
820	C8H16	2,4,4-TRIMETHYL-2-PENTENE	25.0	1.4135			4.136
821	C8H16O	2-ETHYLHEXANAL	21.9	1.4152	in benzene	2.66	4.862
822	C8H16O	1-OCTANAL	25.0	1.4156			4.681
823	C8H16O	2-OCTANONE	25.0	1.4133	in benzene	2.72	4.892
824	C8H16O2	n-BUTYL n-BUTYRATE	25.0	1.4029			5.887
825	C8H16O2	n-HEXYL ACETATE	25.0	1.4073	liquid	1.80	5.160
826	C8H16O2	ISOBUTYL ISOBUTYRATE	19.9	1.3990			4.768
827	C8H16O2	n-OCTANOIC ACID	25.0	1.4261	liquid	1.15	5.211
828	C8H16O4	DIETHYLENE GLYCOL ETHYL ETHER ACETATE	19.9	1.4213			5.692
829	C8H18	2,2-DIMETHYLHEXANE	25.0	1.3910	gas	0.00	4.392
		2,3-DIMETHYLHEXANE	25.0	1.3988	gas	0.00	4.363
830	C8H18	2,4-DIMETHYLHEXANE	25.0	1.3929	gas	0.00	4.267
831	C8H18	2,5-DIMETHYLHEXANE	25.0	1.3900	gas	0.00	4.452
832	C8H18	3,3-DIMETHYLHEXANE	25.0	1.3978	gas	0.00	3.717
833	C8H18	3,4-DIMETHYLHEXANE	25.0	1.4018	gas	0.00	4.230
834	C8H18	5,4-DIMETHTENE	25.0	1.3992	gas	0.00	4.571
835	C8H18	3-ETHYLHEXANE	1				
836	C8H18	3-ETHYL-2-METHYLPENTANE	25.0	1.4055			3.928
837	C8H18	3-METHYL-3-ETHYLPENTANE	25.0		gas	0.00	4.570
838	C8H18	2-METHYLHEPTANE	25.0		gas	0.00	4.490
839	C8H18	3-METHYLHEPTANE	25.0		gas	0.00	4.520
840	C8H18	4-METHYLHEPTANE	25.0		gas	0.00	
841	C8H18	n-OCTANE	25.0		gas	0.00	
842	C8H18	2.2.3-TRIMETHYLPENTANE	25.0		gas	0.00	
843	C8H18	2.2.4-TRIMETHYLPENTANE	25.0		gas	0.00	
844	C8H18	2.3.3-TRIMETHYLPENTANE	25.0		gas	0.00	4.061
845	C8H18	2.3.4-TRIMETHYLPENTANE					
846	C8H18	2,2,3,3-TETRAMETHYLBUTANE	25.		gas	1.17	
	-	DI-n-BUTYL ETHER	25.				
847	C8H18O	DI-Sec-BUTYL ETHER					- 4.014
848	C8H18O	DI-tert-BUTYL ETHER	19.		in benzene	1.76	
849	C8H18O	DI-TERT-BUTTLETTIES	25.		in benzene		
850	C8H18O	2-ETHYL-1-HEXANOL	25.		liquid	1.61	4.898
851	C8H18O	1-OCTANOL	25.		in benzene	-	
852	C8H18O	2-OCTANOL	25.	- 1 1100	in benzene		-
853	C8H18O2	DI-t-BUTYL PEROXIDE	49.		IN Denzene	7.4	5.511
854	C8H18O2S		25.				5.106
855		DI-n-BUTYL SULFONE DIETHYLENE GLYCOL MONOBUTYL EHTER	19.				5 444
	C8H18O3	DIETHYLENE GLYCOL DIETHTLE EHTER DIETHYLENE GLYCOL DIMETHYL ETHER	25.	4 4000	in benzen		
856	C8H18O3	TRIETHYLENE GLYCOL MONOSCOTT TRIETHYLENE GLYCOL DIMETHYL ETHER	25	4 4570	in dioxane	3.2	5.602
857	C8H18O4	TETRAETHYLENE GLYCOL	. 20				