

Landolt-Börnstein
Group II: Molecules and Radicals

Volume 13
Radical Reaction Rates in Liquids

Subvolume B
Carbon-Centered Radicals II

	Introductory material	
	General introduction (H. FISCHER)	1
4	Carbon-centered radicals	5
4.1	Rate constants of displacement reactions with molecules in solutions (M. BONIFACIC, K.-D. ASMUS)	5
4.1.0	Introduction	5
4.1.1	Absolute rate constants	6
4.1.1.1	Aliphatic radicals and radicals derived from other non-aromatic compounds	6
4.1.1.2	Aromatic radicals and radicals derived from compounds containing aromatic and heterocyclic constituents	25
4.1.1.3	Radicals with undefined stoichiometry and structure	36
4.1.2	Relative rate constants	51
4.1.2.1	Aliphatic radicals and radicals derived from other non-aromatic compounds	51
4.1.2.2	Aromatic radicals and radicals derived from compounds containing aromatic and heterocyclic constituents	179
4.1.2.3	Graphical data	254
4.1.3	Isotope effects	258
4.1.3.1	Aliphatic radicals and radicals derived from other non-aromatic compounds	258
4.1.3.2	Aromatic radicals and radicals derived from compounds containing aromatic and heterocyclic constituents	266
4.2	Rate constants of electron transfer reactions with molecules in solutions (K.-D. ASMUS, M. BONIFACIC)	285
4.2.0	Introduction	285
4.2.1	Reactions in aqueous solutions	286
4.2.1.1	Aliphatic radicals and radicals derived from other non-aromatic compounds	286
4.2.1.2	Aromatic radicals and radicals derived from compounds containing aromatic and heterocyclic constituents	354
4.2.1.3	Radicals with undefined stoichiometry and structure	365
4.2.2	Reactions in nonaqueous solutions	399
4.2.2.1	Aliphatic radicals and radicals derived from other non-aromatic compounds	399
4.2.2.2	Aromatic radicals and radicals derived from compounds containing aromatic and heterocyclic constituents	423
	Errata	
	Index of substances (See Vol. 13E)	