

Landolt-Börnstein
Group II: Molecules and Radicals

Volume 18
Radical Reaction Rates in Liquids

Subvolume A
Carbon-Centered Radicals I

Introductory material

General introduction (H. FISCHER)

1	Carbon-centered radicals: Radical-radical reactions (R.F.C. CLARIDGE)	1
1.0	Introduction	1
1.1	Self reactions	2
1.2	Cross reactions: Two carbon-centered radicals	51
1.3	Cross reactions: One carbon-centered radical and a heteroatom-centered radical	56
	References for 1	76
2	Carbon-centered radicals: Radical-molecule addition (E. RODUNER, R. CROCKETT)	79
2.0	Introduction	79
2.1	Primary alkyl radicals	80
2.2	Noncyclic secondary alkyl radicals	97
2.3	Noncyclic tertiary alkyl radicals	111
2.4	Cyclic and bicyclic radicals	141
2.5	Benzyl radicals	155
2.6	Vinyl, acyl and phenyl radicals	158
	References for 2	169
3	Carbon-centered radicals: Fragmentation and rearrangement reactions (A.L.J. BECKWITH, S. BRUMBY)	171
3.0	Introduction	171
3.1	Fragmentation reactions	172
3.2	Rearrangement reactions	182
3.3	Conformational change	234
3.4	Configurational change	246
3.5	Valence bond tautomerism	253
	References for 3	254

Index of substances for Vols. 13 and 18