

Landolt-Börnstein
Group II: Molecules and Radicals

Volume 13
Radical Reaction Rates in Liquids

Subvolume A
Carbon-Centered Radicals I

| | | |
|-----|---|-----|
| | Introductory material | |
| | General introduction (H. FISCHER) | 1 |
| 1 | Carbon-centered radicals: Radical-radical reactions (D. GRILLER) | 5 |
| 1.0 | Introduction | 5 |
| 1.1 | Self-reactions | 6 |
| 1.2 | Cross reactions | 125 |
| 1.3 | Relative rate constants | 127 |
| 2 | Carbon-centered radicals: Radical-molecule addition reactions (J.P. LORAND) | 135 |
| 2.0 | Introduction | 135 |
| 2.1 | Methyl radical | 136 |
| 2.2 | Other acyclic hydrocarbon radicals | 160 |
| 2.3 | Cycloalkyl radicals | 176 |
| 2.4 | Cumyl radical | 188 |
| 2.5 | Alkyl radicals containing heteroatoms | 189 |
| 2.6 | Phenyl radicals | 202 |
| 2.7 | Vinyl and acyl radicals | 234 |
| 2.8 | Aromatic radical cations | 235 |
| 2.9 | Polymer radicals | 236 |
| 3 | Carbon-centered radicals: Fragmentation and rearrangement reactions (A.L.J. BECKWITH) | 252 |
| 3.0 | Introduction | 252 |
| 3.1 | Fragmentation reactions | 253 |
| 3.2 | Rearrangement reactions | 262 |
| | Errata | |
| | Index of substances (See Vol. 13E) | |

Carbon-Centered Radicals I / Kohlenstoffradikale I

Beckwith, A.L.J.; Fischer, H.; Griller, D.; Lorand, J.P.

1984, 317 p., Hardcover

ISBN: 978-3-540-12607-2