

Contents

Preface to the Second Edition	vi
Preface to the First Edition	vi
Acknowledgments	vii
Introduction	viii
1 The Hydrogenation Reaction <i>H.B.W. Patterson</i>	1
2 Hydrogenation Process Techniques <i>H.B.W. Patterson</i>	33
3 Hydrogenation Using Critical Fluids <i>Jerry W. King and Gary R. List</i>	49
4 Hydrogenation Facility <i>H.B.W. Patterson</i>	111
5 Hydrogenation <i>H.B.W. Patterson</i>	149
6 Isomer Formation During Hydrogenation <i>Albert J. Dijkstra</i>	159
7 Catalysts <i>H.B.W. Patterson</i>	169
8 Hydrogenation Methods <i>H.B.W. Patterson</i>	189
9 Electrocatalytic Hydrogenation of Edible Oils <i>Peter N. Pintauro</i>	279
10 Low <i>Trans</i> Hydrogenation <i>Gary R. List and Michael A. Jackson</i>	305
11 Safety <i>H.B.W. Patterson</i>	315
12 Quality and Control <i>H.B.W. Patterson</i>	329
Glossary of Hydrogenation and Related Technical Terms	351
References	367
Index	395