

CONTENTS OF PART II

Contributors to Part II		v
Contents of Part I		vii
Preface		ix
 Chapter 9	 EMULSION POLYMERIZATION	 441
	<i>Tsunetaka Matsumoto</i>	
	I. Introduction	442
	II. Emulsion Polymerization	447
	III. Behavior of Additives in Emulsion Polymerization	480
	IV. Chemically Reactive Emulsions	494
	V. Nonaqueous Emulsions	504
	VI. Emulsion Polymerization in the Presence of Fillers	509
	References	511
 Chapter 10	 EMULSIONS IN THE PAPERMAKING INDUSTRY	 517
	<i>Frans V. E. Vaurio</i>	
	I. Introduction	518
	II. Papermaking Systems	519
	III. Processing Considerations	522
	IV. Emulsions and Their Use in Sizing Paper	525
	V. Wet-Strength Additives	533
	VI. Paper Coatings	537
	VII. Special Uses for Emulsions	545
	References	552

Chapter 11	EMULSION IN PRINTING AND THE GRAPHIC ARTS	559
	<i>Jack J. Bulloff</i>	
	I. Introduction	560
	II. Defensive Emulsification Research in Lithography	563
	III. Product and Process Improvements	588
	References	628
Chapter 12	HYDRAULIC FLUID EMULSIONS	639
	<i>E. Donald Pell and Richard T. Holzmann</i>	
	I. The Use of Hydraulic Fluids	640
	II. Hydraulic Fluid Requirements	642
	III. Emulsion Properties and Hydraulic Performance	655
	IV. Hydraulic Components and Compatibility	675
	V. Test Methods	688
	VI. Summary	696
	References	699
Chapter 13	COSMETIC EMULSIONS	701
	<i>Charles Fox</i>	
	I. Introduction	702
	II. Emulsion Theory	706
	III. Selection of Emulsifiers	733
	IV. Classification of Emulsifying Agents	757
	V. Processing	857
	VI. Equipment	860
	VII. Properties of Cosmetic Emulsions	876
	VIII. Formulations	891
	References	919
	AUTHOR INDEX	935
	SUBJECT INDEX	961