CONTENTS

1.	Historical Development of Polyvinyl Alcohol	1
2.	General Properties of Polyvinyl Alcohol in Relation to its Applications	17
3.	Manufacture of Polyvinyl Acetate Polyvinyl Alcohol	67
4.	Hydrolysis of Polyvinyl Acetate to Polyvinyl Alcohol	91
5.	Manufacturing and Engineering Aspects of the Commercial Production of Polyvinyl Alcohol	121
6.	Preparation of Polyvinyl Alcohol from Monomers other than Vinyl Acetate	137
7.	Preparation of Modified Polyvinyl Alcohol from Copolymers	147
8.	Thermal Properties of Polyvinyl Alcohol	167
9.	Chemical Properties of Polyvinyl Alcohol	183
10.	Stereochemistry of Polyvinyl Alcohol	203
11.	Use of Polyvinyl Alcohol in Warp Sizing Processing of Textile Fibres	233
12.	Use of Polyvinyl Alcohol in Paper Manufacture	277
13.	Reactions of Polyvinyl Alcohol with Clay	331
14.	Properties of Polyvinyl Alcohol Films	339
15.	Acetalization of Polyvinyl Alcohol	391
16.	Applications of Polyvinyl Alcohol in Adhesives	413
17.	Polyvinyl Alcohol in Emulsion Polymerization	427
18.	Photosensitized Reactions of Polyvinyl Alcohol used in Printing Technology and Other	
	Application	461
19.	Polyvinyl Alcohol in Optical Films	493
20.	Moulded Products from Polyvinyl Alcohol	523
21.	Miscellaneous Applications of Polyvinyl Alcohol	529
Арр	pendix 1. Compatibility of Polyvinyl Alcohol with Other Water-soluble High Polymers	535
App	pendix 2. Preparation of Polyvinyl Alcohol Solutions	555
Арр	pendix 3. Analytical methods for Polyvinyl Alcohol	561
Nar	me Index	573
Sub	Subject Index	