

Contents

- Preface** VII
- How to use the Handbook** IX
- Warranty disclaimer** 1
- Acetates** 3
L. Hasenberg
- Acetic Acid** 5
G. Elsner
- Acid Halides** 27
G. Elsner
- Aliphatic Aldehydes** 31
G. Elsner
- Aliphatic Amines** 37
L. Hasenberg
- Aliphatic Ketones** 41
H. Barkholt
- Alkaline Earth Chlorides** 43
R. Weidemann
- Alkaline Earth Hydroxides** 45
A. Weser
- Alkanecarboxylic Acids** 47
L. Hasenberg
- Alkanols** 57
K. Hauffe
- Aluminium Chloride** 61
L. Hasenberg
- Amine Salts** 63
K. Hauffe
- Ammonia and Ammonium Hydroxide** 69
P. Drodten
- Ammonium Salts** 97
K. Hauffe
- Atmosphere** 119
K. Baumann
- Benzene and Benzene Homologues** 153
K. Hauffe
- Bromides** 157
K. John
- Bromine** 163
K. John
- Carbonic Acid** 167
P. Drodten
- Carboxylic Acid Esters** 175
L. Hasenberg
- Chloroethanes** 183
H. G. Spilker
- Chloromethanes** 197
H. G. Spilker
- Chlorine and Chlorinated Water** 217
K. Hauffe
- Chlorine Dioxide** 227
L. Hasenberg
- Drinking Water** 243
G. Heim, K. Reeh

Ferrous Chlorides (FeCl₂, FeCl₃)	249	Potassium Chloride	395
A. Werner		L. Hasenberg	
Fluorides	261	Potassium Hydroxide	417
K. Hauffe		P. Drodten	
Fluorine, Hydrogen Fluoride, Hydrofluoric Acid	263	Seawater	423
K. Hauffe		P. Drodten	
Formic Acid	271	Sodium Chloride	465
H. Leyerzapf		M. B. Rockel	
Hot Oxidizing Gases	275	Sodium Hydroxide	521
K. Hauffe		P. Drodten	
Hydrochloric Acid	293	Sodium Sulfate	529
A. Bäumel, P. Drodten		J. Küpper-Feser	
Hydrogen Chloride	305	Soil (Underground Corrosion)	553
H. Barkholt		G. Elsner	
Hypochlorites	307	Steam	559
L. Hasenberg		H. Leyerzapf	
Lithium Hydroxide	319	Sulfonic Acid	567
K. John		K. Hauffe	
Methanol	323	Sulfur Dioxide	569
H. G. Spilker		L. Hasenberg	
Mixed Acids	351	Sulfuric Acid	585
M. B. Rockel		L. Hasenberg	
Nitric Acid	355	Waste Water (Industrial)	631
K. Hauffe		E. Heitz, G. Subat	
Phosphoric Acid	369	Bibliography	633
L. Hasenberg		Index of materials	715
Polyols	389	Subject Index	729
G. Elsner			