

CONTENTS

1. Introduction	11
2. Basic Silicone Materials	19
3. Silicone Antifoam Compounds	25
4. Emulsion	27
5. Silicone Surfactants	31
6. Dimethicone Copolyol Chemistry	41
7. Silicone Esters	55
8. Alkyl Dimethicone Copolyol Compounds	63
9. Fluoro Dimethicone	71
10. Alky Dimethicone	75
11. Cationic Silicone Compounds	81
12. Carboxy Silicone Complexes	89
13. Silicone Phosphate Esters	101
14. Silicone Resins	109
15. Silicone Phospholipids	115
16. HLB	123
17. Applying the Three-Dimensional HLB System	133
18. Silicone Quats	141
19. Silicone Ester Amido Quaternary Compounds	147
20. Silicones for Coating Pigments	153
21. Future Trends	159