

Beginning Cosmetic Chemistry Table of Contents

Section 1: Orientation, Tools and Terms

1. The Role of the Scientist in the Cosmetic Industry
2. Lab Notebooks: The "Write" Stuff
3. Your Primer of Technical Terms and Chemical Jargon
4. Cosmetic Ingredient Nomenclature **
5. INCI Names: Differences between the US and the EU
6. Material Safety Data Sheets
7. Regulatory Principles of the Cosmetic Industry
8. Establishing the Dividing Line: Is Your Product a Drug?
9. Building Effective Vendor Relationships

Section II: Cosmetic Ingredients and Vehicles

10. Surfactant Science
11. Triglycerides: A Primary Ingredient for Making Surfactants
12. Understanding Emulsions
13. Conditioning Agents for Hair and Skin
14. Silicone Chemistry
15. Common "Scents" Fragrance in Personal Care Products
16. What Every Formulator Needs to Know about Fragrance
17. Creating Colorful Cosmetics
18. Polymers in Personal Care Products
19. The Science of Reactive Hair Care Products
20. Gels and Sticks
21. Aerosols for Apprentices
22. Understanding "Mild" Cosmetic Products
23. Formulating for Sensitive Skin
24. The Aging of Polymer-Stabilized Creams: A Rheological Viewpoint

Section III: Product Development

25. Successful Product Development
26. Fundamentals of Formulating Hair Care Products
27. Introduction to Shampoo Thickening
28. Laboratory Batching of Cosmetic Products
29. Novel Delivery Systems for Cosmetic Products
30. Cosmetic Product Packaging
31. The ABCs of SPFs: An Introduction to Sun Protection Products
32. Sunscreen Formulation and Testing
33. Self-Tanners: Formulating with Dihydroxyacetone
34. The Dry Facts about Wet Perspiration
35. Microorganism and Personal Care Products
36. Packaging Concerns for a Formulator

Section IV: Product Testing

37. Evaluating Raw Materials and Finished Products
38. Fundamentals of Cosmetic Product Safety Testing
39. To Test or Not to Test: The Philosophy of Stability Testing
40. Substantiating Cosmetic Product Claims
41. Tress Testing Procedures
42. Evaluating Shine on Hair