

Save Rs.1000/-
by ordering before
31st December 2012

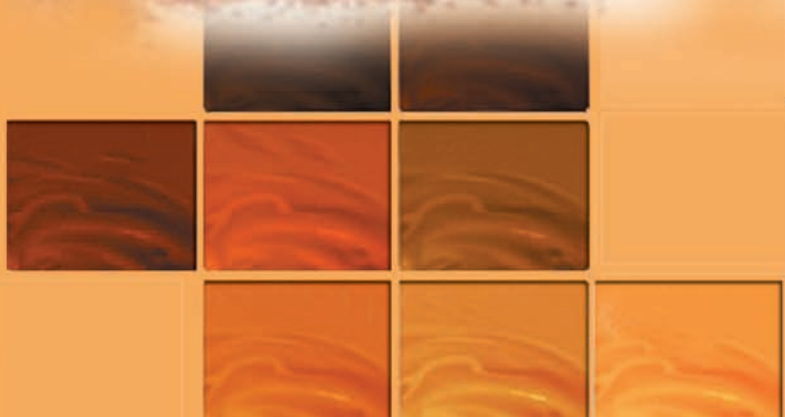
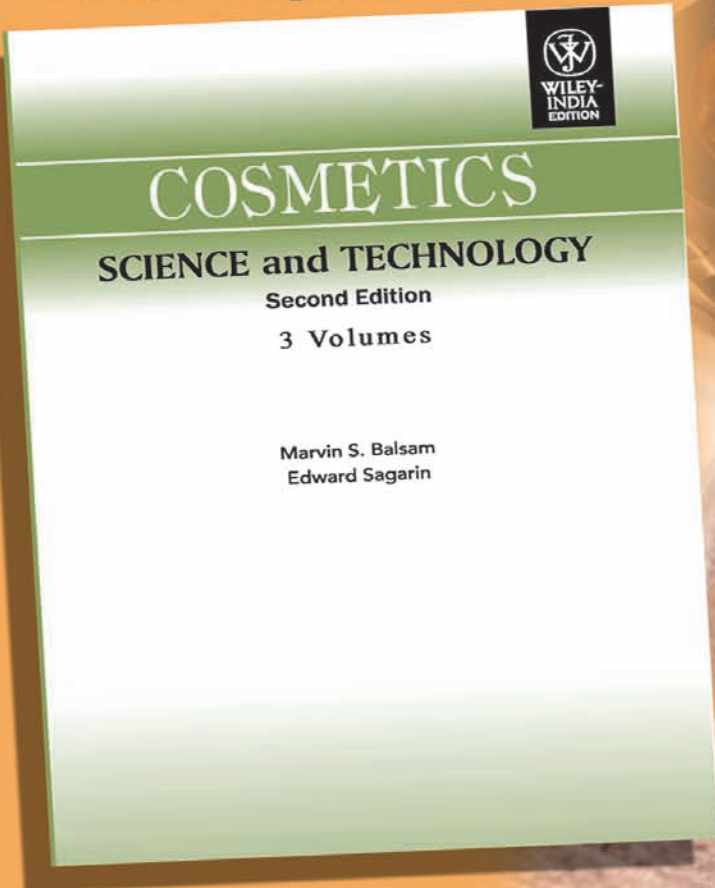
COSMETICS

SCIENCE and TECHNOLOGY

Second Edition

3 Volume Set

by
Marvin S. Balsam
Edward Sagarin



COSMETICS

Science and Technology

Second edition

3 Volume Set

Cooperative effort of sixty-one Authors, almost all are experts in manufacturing the products, described in three comprehensive volumes
First time released in Indian Reprint

Uniqueness of the set

Cosmetics: Science and Technology has many predecessors and among its contemporaries does not pretend to preempt the field. The burgeoning of a science of cosmetics, a technology of cosmetics, without the abandonment of what must in part remain a craft, a skill and an art, brought forth several excellent books in various languages, which sought to summarise the state of the knowledge. Among these *Cosmetics: Science and Technology*, published for the first time in 1957, was unique in that it was a collective effort of 61 specialists in the field. In this aspect lies both the potential strength and possible hazard of such an undertaking.

The first edition – a heavy volume of more than 1400 pages, was reviewed widely and enthusiastically by science and trade journals and was warmly received by members of the profession.

In reviewing the chapters for the *second edition*, some authors considered it necessary to start anew, with a completely different approach, based on the research findings. Some changes that have occurred are not reflected in science and technology, but are, rather in fashion and fad. Such changes concern the chemist insofar as the products are affected by the fancy of the day, but they are irrelevant to a description of the state of the science.

Volume 1 contains descriptive material on the manufacture and formulation of fifteen different products and classes of products.

Volume 2 contains descriptive material on the manufacture and formulation of eighteen different products and classes of products.

Volume 3 contains chapters on the *physiology* of the skin and hair, the physiology of sweat, the use of colours in cosmetics, problems of quality control, presentation and psychological testing, historical information and legal information.

Salient Features

- Rewrote the chapters to bring them up-to-date
- Regulations of colours and colour additives have been expanded, bringing about toxicological studies
- Bacteriological aspects of cosmetic products have been explored and studied

COSMETICS
Science and Technology
Second Edition, 3 Volume Set

Price Rs.7500/-

Special Concession offer
of Rs.6500/- per set
valid for all prepaid orders
upto 31st December, 2012

(Payable in favour of
BSP Books Pvt. Ltd., Hyderabad)

BSP Books Pvt. Ltd.

4-4-309 / 316, Giriraj Lane, Sultan Bazar, Koti, Hyderabad - 500 095 (A.P.) INDIA
Phone : 91 +40 - 23445688; Fax: 91+40-23445611; e-mail: info@bspbooks.net

Mr. Manoj Jha, (M) 09849995435; e-mail: manojjha@bspbooks.net

Mr. Anil Shah, (M) 09849021905; e-mail: anilshah@bspbooks.net

www.bspbooks.net

Contents

Volume 1: Cleansing Creams and Lotions - Emollient Creams and Lotions - Hormone Creams, Baby Toiletries - Hand Creams and Lotions - Skin Lighteners and Bleach Creams - Suntan Preparations, Beauty Masks - Foundation Makeup, Face Powders - Rouge, Lipsticks, Eye Makeup, - Dentifrices, Mouthwashes

Volume 2 : Shaving Preparations - Preshave and Aftershave Preparations - Depilatories, Shampoos - Hair-Grooming Preparations - Permanent Waving products, Hair Straighteners - Bleaches and Related Products - Hair Conditioners and Related Products - Antiperspirants and Deodorants, Aerosol Cosmetics - Aerosol Hair Products, Bath Preparations - Nail Lacquers and Removers - Fingernail Elongators and Accessory Nail Preparations - Eye Lotions, Fragrance - Emulsified and Solid Fragrances

Volume 3 : Status and Structure of the Cosmetics Industry - Historical Development of the Cosmetics Industry - Physiology of the Skin and Its Appendages - The Physiology and Pharmacology of Sweating - Sensitivity Testing, Quality Control - Preservation of Cosmetics - Self-Regulation in the Cosmetic Industry-A View from a Scientific Vantage Point - Legal Consideration and Regulatory - Procedures Governing Cosmetics - Color in Cosmetics, Emulsification - Processing of Alcoholic Fragrance Solutions - Performance and Psychometric - Evaluation of Cosmetics

SAMPLE PAGES

II. EMOLLIENT CREAMS AND LOTIONS 65

	59	60	61	62
<i>Part B</i>				
Methyl paraben	0.15	0.15	0.15	0.15
Borax	0.60	0.30	0.80	0.50
Water	33.80	34.00	24.60	35.80
Perfume	0.25	0.35	0.25	0.35

* Formulas 59 to 62, Parentini, J. P.: *Drug Allied Ind.*, 37: 30 (April 1951).

Formulas for Emollient Creams, W/O Nonionic-Anionic Types

	63*	64†	65‡	66§
<i>Part A</i>				
Spermaceti	2.00%	—	—	—
Cetyl alcohol	2.00	2.00%	—	20.00%
Beeswax	16.00	13.00	14.00%	45.00
Mineral oil (65/75)	40.00	—	47.00	—
Lanolin	—	3.00	5.00	—
Detyl Extra	—	15.00	—	—
Corn oil	—	25.00	—	—
Alcolan absorption base	—	—	3.00	—
Ozokerite	—	—	5.00	—
Iso-Lan absorption base	—	—	—	5.00
Propyl paraben	0.15	0.15	0.15	0.15
Antioxidant	—	0.05	—	—
<i>Part B</i>				
Methyl paraben	0.15	0.15	0.15	—
Glycerol	7.00	—	—	0.50
Borax	1.00	0.80	0.75	29.00
Water	31.40	40.50	24.70	—
Perfume	0.30	0.35	0.25	0.20

* Formula 63, SPC (March 1950).
 † Formula 64, Givaudan Corp.
 ‡ Formula 65, Robinson Wagner Co.
 § Formula 66, Goldschmidt Chemical.

Raw Materials

In all product development research, the choice of raw materials (especially emulsifiers) available from several suppliers presents potential hazards in subsequent use of an alternate source. There are many items characterized by the suppliers' general specifications which appear to be all-inclusive, and which are used as a basis for approval or rejection of a competitive product. When comparing two or more sources, the fact that the chemical constants (acid value, saponification value, iodine value, melting point, titer) may coincide does not necessarily imply complete similarity in behavior. There

XIX. SHAMPOOS 97

Soap-Synthetic Detergent Combinations

Many shampoos are based on a combination of soap and synthetic detergent formulas (Formulas 5, 12, 19, 41, 44). The hard-water disadvantages of soap are greatly overcome and the cosmetic characteristics of the resulting shampoo are somewhat modified by the combination.

Shampoo Additives

An increasing number of compounds has been developed which contribute to the performance and acceptance of shampoos. They may affect the foam, feel, consistency, or finish imparted by the shampoo. Many are protected by patents, and the knowledge of others is confidential. Some of the better-known additives are listed here according to their chief function.

Foam Builders

Foam builders or foam stabilizers are ingredients which, when added to a formulation, increase the quality, volume, and stability of the lather. Often they also enhance viscosity and impart a slight conditioned effect to the hair. The principal foam builders are the fatty acid alkanolamides (such as lauroyl diethanolamide, lauroyl monoethanolamide, coconut monoethanolamide), the "Super" amides (46); fatty alcohols in low concentration; and, to a lesser extent, sarcosinates and phosphates (Formulas 5, 17, 21). An example of results obtained by the addition of a foam builder is shown in Table IV.

TABLE IV. Foaming Characteristics of 10% Solution of Detergent

	Initial foam (cc)	After 15 min (cc)	After 30 min (cc)
A. Dodecyl benzene sulfonate, (37%)	120	50	25
B. A + 10% of lauroyl monoethanolamide	190	160	155
C. A + 10% of lauroyl diethanolamide	130	75	50

Dodecyl benzene sulfonate is considered a good foaming surfactant when used alone. The addition of lauroyl monoethanolamide not only increases the initial foam volume but greatly enhances the stability of the foam.

Conditioning Agents

The difference between an ordinary surfactant and a shampoo lies in the finishing or conditioning action of the shampoo. Most surfactants clean the

Order your copy today

Please supply _____ Copy(ies) of **Balsam & Sagarin: 'Cosmetics: Science and Technology, 2nd Ed. 3 Volume Set'**

Name : _____ Designation : _____

Organization Name & Address : _____

We enclose Demand Draft / Local Cheque* No. _____ Date : _____

Amount : _____ on _____ drawn in favour of
BSP Books Pvt. Ltd (Bank name)

*payable at Hyderabad.

Date : _____

Signature with stamp

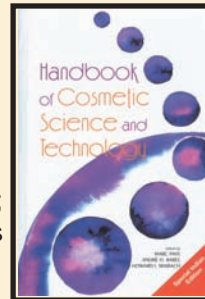
Other Related Books

Handbook of Cosmetic Science and Technology

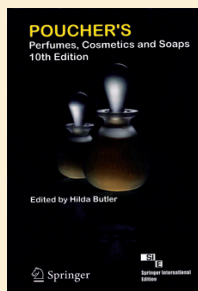
Andre Barel, Marc Payne, Howard I Maibach

CONTENTS :

Target organs for cosmetic products; safety considerations; vehicles of cosmetic products; cosmetic ingredients; cosmetic products - skincare products, haircare products, other cosmetic products; legislation and regulations over the world; testing the cosmetic products; cosmetic claims.



Rpt.2008 1-57444-824-2 904 pages HB Ori. Price: Rs. 2495.00 *Spl. Offer Price: Rs. 2125.00



Poucher's Perfumes Cosmetics & Soaps, 10th Ed.

Butler H.

CONTENTS :

Part I : Historical Background 1. W.A. Poucher's Influence on the Early Cosmetic Industry 2. Cosmetics Through the Ages **Part II : Cosmetics for Everyday Use** 3. Antiperspirants and Deodorants 4. Batch and Shower Products 5. Colouring Materials used in Decorative Cosmetics and Colour Matching 6. Decorative Cosmetics 7. Dental Hygiene 8. Hair Treatments 9. Hair Shampoos 10. Hair Colourants 11. Manicure Preparation 12. Men's toiletries 13. Pressurized Dispenser 14. Skin Preparations 15. Soap 16. Sun Damage and Sunscreen Preparation **Part III : Quality, Stability and Safety Assurance** 17. Analytical Methods 18. Efficacy Testing of Cosmetics and Toiletries 19. Emulsion Theory 20. Legislation and Safety Regulations for Cosmetics in the United States, the European Union and Japan 21. Microbiological Control of Cosmetics 22. Safety 23. Stability Testing **Part IV : Perfumes, Their Manufacture in Products and Psychology in Use** 24. Perfume and the Manufacture of Consumer Products 25. The Psychology of Fragrance and Aromatherapy

Rpt. 2007 0-7514-0479-9 800 pages HB Ori. Price: Rs. 1750.00 *Spl. Offer Price: Rs. 1485.00

Cosmetics: A Practical Manual, 2nd Ed.

Swarnlata Saraf, Shailendra Saraf

CONTENTS :

1. Introduction to Cosmetics 2. Evaluation of Cosmetics 3. Cosmetic Excipients 4. List of Cosmetics : Formulation, Method of Preparation and Uses

2009 978-81-88449-70-9 165 pages PB Ori. Price: Rs. 135.00 *Spl. Offer Price: Rs. 115.00



***Valid for all prepaid orders**

PLEASE
FIX STAMP
HERE

BSP
BOOKS

BSP Books Pvt. Ltd

4-4-309 / 316, Giriraj Lane,

Sultan Bazar, Koti,

Hyderabad - 500 095 (A.P.) INDIA

Phone : 91 +40 - 23445688, 23445605