There has been consistent rise in Indian toiletries Industry. Novelty in ideas and marketing seems to be the major subject matter of the Indian soap industry. With increasing popularity there has been increase in potential competitors but it still has the opportunity of further exploitation. The soaps, detergent and toiletries product industry is vivacious, varied, creative and tricky, and has the prospective to provide a gratifying career. Since these are basic requirements throughout the world undoubtedly the toiletries industry is one of the fastest growing and most profitable markets in international arena has been for the past many years.

Total quality management has its importance in managing every industry so is its importance and relevance in Oils, Soaps, and Detergents Industries. Featured as one of best seller the book modern technology of soaps, detergent and toiletries is another resourceful book written by P. K. Chattopadhyay. The author is highly experienced consultant to cosmetics and toiletries industries.

The book contains the formulae of diverse types of soaps, detergents (cake, powder and liquid) toiletries, methodical testing method, quality control of complete products, packing criterion of cosmetics and toiletries along with project profiles, machinery photographs and addresses of raw material, plant and machinery suppliers.

The book contains detail chapter on: Principal Groups of Synthetic Detergents Classification, Detergent Bar, Washing Soap: Laundry Soap Formulation, tooth paste, after shave lotion, Hair Shampoo, Fundamentals of Science, Testing of Finished Goods, Finished Product Quality Control Procedures, Natural Essential Oils in India: A Perspective, Essential Oils in India and Trade Summary and Conclusion, etc. Basic information in entering a market and the opportunities and requirements of the potential sector has been the best way to penetrate in a market. How and what if properly answered can take you to a long way. The first hand information on different types of toiletries product have been properly dealt in the book and can be very useful for those looking for entrepreneurship opportunity in the soap industry.

Contents

1. Introduction
   Soap Manufacturing Process
      BIS Specification for Soap
2. Packaging Criteria for Cosmetics and Toiletries

Evolution of Packaging
Functional Requirements of Packaging
Technical
Aesthetic
Cost
Chemical Compatibility
Physical Compatibility
Retention of Volatiles
Leak proof caps
Tamper-proof Seal
Transport Hazards
Aesthetic Factors
Presentability/Appearance
Packaging Design
Package Design - Practicability
Cost-effectiveness of Pack
Packaging Materials
Glass
Metal
Plastics
Paper
Product Evaluation
Transit Trials
Products Characteristics and Packaging Materials
Legal Requirements
Closing
Specification for Polycoated Paper
Specification of Gum Tape
Specification of Corrugated Fibreboard Boxes

3. Principal Groups of Synthetic Detergents
Classification
Anionic Detergents
Alkyl Aryl Sulphonates
Long-Chain (Fatty) Alcohol Sulphates
Sulphonated Olefins
Sulphated Monoglycerides
Sulphated Ethers
Sulphosuccinates
Sulphonated Methyl Esters
Alkane Sulphoxides
Phosphate Esters
4. Application and Formulae of Detergents
Foam
Household Cleaning
Heavy-Duty Laundering
Foam Control
General-Purpose Detergents
Choice of Non-Ionic
Concentrated Powders
Cold Water Washing
Hard-Surface Cleaners
Machine Dishwashing
Abrasive-Type Cleaners
Miscellaneous Household Cleaners
Commercial Laundering
Solvent Detergents
Carpet and Upholstery Cleaners
Textile Dressing
Mercerizing
Food and Dairy Industries
Detergent Sanitizers
Metal Cleaners
Miscellaneous Cleaners
Lavatory Cleaner
Hand Cleaners
Waterless Hand Cleansers

5. General Discussion of Detergents
Industrial-Detergents - Applications
Cosmetic Industry on Path of Progress

6. Detergent Bar
Formulation
Sequence of Additions
Note
Specification
Type of Defects
What are the main defects in bar detergent?

Detergent Bar Cost Calculations

7. Liquid Soap and Detergents
   Product Introduction
   Method of Manufacture
   Liquid Detergents
   Weight Equivalents of DDBSA
   Molecular Weights
   Special Procedures for Compounding

8. Washing Soap: Laundry Soap Formulation
   Manufacture of Laundry Neat soap from Oil Blend
   Harding of RBD
   Acid wash for RBHT
   Salt Wash for Neem Oil
   Blending
   Neem Soap Manufacture
   Manufacture of Laundry Soap
   Theory
   Process and Raw Material
   Product Profile
   Washing Soaps
   Brand Name

9. Deodorant
   Zinc Ricinoleate
   Deodorant pump Spray
   Name of the Manufacturers
   Zinc Ricinoleate
   Market Size of Deodorant
   Growth Barrier

10. Tooth Paste
    Introduction
    Consumers and Predicted Demand
    Production Target and Quality Control
    Requirement of Land and Building
    Availability of Raw Materials
    Machinery and Equipment
    Office Equipment
    Man Power Required
    Raw Materials Per Month

11. After Shave Lotion
    Introduction
    Uses of After shave Lotion
    Market Position
    Advertising
    Distribution
    Formulations with Process
    Process
    Note
12. Hair Shampoo
   Introduction
   Properties
   Uses and Application
   Raw Materials for Shampoos
   The Nonionic Detergent Raw Materials
   Amphoteric Products
   Perfumes
   Preservatives
   New Shampoo Development
   Protein and Egg Shampoo
   Herbal Shampoo
   Vitamin Shampoos
   Antidandruff Shampoos
   Market Survey
   Present Manufacturers
   Formulae
   Coconut oil Shampoo
   Triethanolamine Shampoo
   Liquid Cream Shampoos
   Liquid Cream Shampoo
   Procedure
   Manufacturing Process

13. Antiseptic and Germicidal Liquid Soap
   Hexachlorophene Soaps
   Control of Clarity
   Filtration
   Bottling and Packaging

14. Fundamentals of Science
   Weight
   Measurements
   Volume
   Units
   Measurement
   Examples
   Density and Specific Gravity
   Temperature
   Diversion
   Pressure and Vacuum
   Surface Tension
   Viscosity
   Flow
   Acid, Bases and Neutral Solution
Normal Solutions and Normality
Unloading of Oleum tanker
Process Familiarisation
Raw Materials Characteristics and Storage
Hydrocarbon
Caustic Soda
Other Process Chemicals and Ingredients
Bleach liquor

15. Raw Material Specification
Oils/Fatty Material
Chemicals

16. Testing of Finished Goods
Report for the Central Laboratory (Test of Oil)
Determination of Moisture
Determination F. F. A.
Determination of Iodine value
Colour
Specification Value
Unsap Value
Mineral Oil
Caster oil test
Bleaching of oil
Wesson loss
Test for HCN

17. Finished Product Quality Control Procedures
Oven Volatilise
Scope
Apparatus
Procedure
Calculation
Determination of Total Fatty Matter
Procedure
Alcohol Insoluble matter
Detergent Powder
NSD Manufacture in Brief
Powder
Sulphonation
Neutralisation and Bleaching
Slurry Preparation
Blowing of Slurry
Filling and Packing
NSD-Bar
Mixer
Noodler and Mill
Plodder
Billeting
Weathering

18. Analytical Testing Methods
Aluminium Sulphate
Determination of pH
Determination of Iron
Determination of Aluminium
Purity of Calcite
Moisture Content - Calcite
Matter Soluble in Water
Determination of Alumina
Iron As Fe2O3 (Total and Free)
Loss on Drying
Determination of Silica
China Clay - Paste with Glycerine
Loss on Ignition
Matter Soluble in Water
Matter Soluble in Acid
Water Absorption Value
Determination of Calcium and Magnesium In Dolomite
Moisture Content
Matter Insoluble in Acid
Bulk Density of Dolomite
Determination of Available Lime (as Cao)
Solubility of Liquid Paraffin
Reaction of Liquid Paraffin
Readily Carbonisable Substances in Liquid Paraffin
Sulphur Compounds in Liquid Paraffin
Reaction to Acid and Alkali
Solubility in Water
Colour Value
Determination of Matter Insoluble in Water
Volatile Matter Content
Total Alkalinity as Na2CO3
Determination of Chlorides
Determination of Sulphates
Iron Content
Determination of Iron (as Fe)
Total Soluble Silicates and Na2O : SiO2 Ratio
Moisture
Temperature Rise Test
Phosphorus Content
Determination of Tripolyphosphate Content (Na5P3O10)
Active Detergent Content of Detergent Paste
Total Anionic Detergent: Hyamine titration
Moisture and Volatile Matter of Detergent paste
Colour of Detergent Paste
Available Chlorine
Non-Detergent Organic Matter

19. Natural Essential Oils in India : A Perspective
Introduction
Essential Oils in India and Trade
Summary and Conclusion

Plant Economics
About NIIR

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.


NPCS also publishes varies process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.