Modern Technology of Soaps, Detergents & Toiletries (with Formulae & Project Profiles) 4th Revised Edition

Author: P. K. Chattopadhyay
Format: Paperback
ISBN: 9789381039700
Code: NI34
Pages: 448
Price: Rs. 1,275.00 **US$** 125.00
Publisher: NIIR PROJECT CONSULTANCY SERVICES
Usually ships within **5** days

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

Properties of Soaps and Detergents
Detergent
Market Potential of Detergents
BIS Specification for Detergents
Toiletries
BIS Specifications for Toiletries
Quality Control
Branding

2. Packaging Criteria for Cosmetics and Toiletries

Evolution of Packaging
Functional Requirements of Packaging
Technical
Aesthetic
Cost
Chemical Compatibility
Physical Compatibility
Retantion 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
Papar
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 Sulphotes
Phosphate Esters

Alkyl Isethionates
Acyl Sarcosides
Alkyl Taurides
Fluorosurfactants
Cationic Detergents
Non-ionic Detergents
Fatty Acid Condensates
Condensation of Ethylene Oxide with an Amine
Condensation of Ethylene Oxide with an Amide
Block Polymers
Sucrose Esters
Sorbitan Esters
Alkylolamides
Fatty Amine Oxides
Amphoetrics and Zwitterionics
Biodegradability

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

Process
Plant Economics
Land and Building
Plant and Machinery
Raw Material (Annual)
Utilities and Overheads (Annual)
Personnel Requirement (Annual)

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 Fe_2O_3 (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 Na_2CO_3
Determination of Chlorides
Determination of Sulphates
Iron Content
Determination of Iron (as Fe)
Total Soluble Silicates and Na_2O : SiO_2 Ratio
Moisture
Temperature Rise Test
Phosphorus Content
Determination of Tripolyphosphate Content ($Na_5P_3O_{10}$)
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.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

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.

NIIR PROJECT CONSULTANCY SERVICES , 106-E, Kamla Nagar, New Delhi-110007, India. **Email**: npcs.india@gmail.com **Website**: NIIR.org

Sat, 27 Apr 2024 16:05:10 +0530