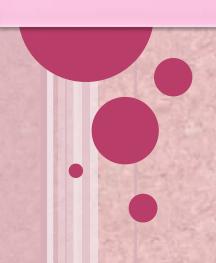
Manufacturing and Packaging Process of Soaps, Detergents & Acid Slurry





Information

Novelty in ideas and marketing seems to be the major subject matter of the Indian soap industry. The soaps, detergent and acid slurry product industry are vivacious, varied, creative and tricky, and have the prospective to provide a gratifying career. Soaps and detergents are used frequently in our daily life. We use them to wash our hands and clean our clothes without ever really paying attention to how they work. Beneath the plain white surface of a bar of soap lie an intriguing history and a powerful chemistry.



It has been said that amount of soap and detergent consumed in a country is a reliable measure of its civilizations. There was a time when these products were luxury; now it is a necessity. Acid slurry is a sulphonation product made by sulphonation of linear alkyl benzene by oleum or so3 or sulphuric acid or combinations of above. It is used in manufacturing of various detergents. The Soap and Detergent industry is profoundly lucrative with splendid market potential as well as bright future scope. In order to meet the requirement of market demand, many more new units are recommended to established on small and cottage scale.



Soaps and detergents are very similar in their chemical properties. However, there is a significant difference between them; soaps are produced from natural products, and detergents are synthetic, or manmade. The market is expected to grow at rates ranging from under 4% to around 4.5%. These are very modest rates considering that the lifestyles not only of urbanites, but even of well off rural folks are changing at a very high pace. The analysts are expecting the industry to continue to grow in both the industrialized as well as developing nations. The present book has been written keeping in view the basic difficulties of the entrepreneurs. Nominal investment is required for this industry which comprises simple method of processing for manufacturing of various types of soaps, detergents and acid slurry.



The book contains chapters on: acid slurry, detergent manufacturing, detergents of various types, principal groups of synthetic detergents, inorganic components of detergents, synthesis of detergents, liquid detergents, packaging of soaps and detergent and many more such chapters. The enclosure also contains a list of suppliers of raw material (overseas) and list of plant and machinery suppliers (overseas). Fundamental information in venturing a market and the opportunity and prerequisite of the potential sector has been the superlative way to make a way into in a market. How and what if correctly taken care can take you to a long way. The first hand information on different types of soaps, detergent and acid slurry products have been properly dealt in the book and can be very useful for those looking for entrepreneurship opportunity in the said industry.



TABLE OF CONTENTS

1. ACID SLURRY

Chemical Name of Acid Slurry

Difference Between Soft and Hard Slurry

Sulphonation of Dodecyl Benzene or Preparation of Acid Slurry

Plant & Machineries Details for Manufacturing Acid Slurry

Raw Materials for Acid Slurry

Process of Manufacture

Manufacturing Steps of Acid Slurry

The Main Advantages Using Oleum

Precautionary Measures for Handling Sulphuric acid and Oleum

Raw Material Requirements

Market Potential

Alpha Olefins

Process of Manufacturing Alpha Olefins

Reactions



2. DETERGENT MANUFACTURING

(Comm. Grade)

Other Additives

Procedural details of manufacturing

'Commercial' Detergent Powders

3. DETERTENTS OF VARIOUS TYPES

Detergent Powder

Metal Cleaners

Liquid Detergents

Detergent (Nirma Type)

Detergent Cake



4. PRINCIPAL GROUPS OF SYNTHETIC DETERGENTS

Classification

Anionic Detergents

Cationic Detergents

Non-ionic Detergents

Amphoterics and Zwitterionics

Biodegradability

5. INORGANIC COMPONENTS OF DETERGENTS

Builders and Other Additives

Phosphates

Silicates

Zeolites

Carbonates

Oxygen-releasing Compounds

Sundry Inorganic Builders



6. SYNTHESIS OF DETERGENTS

Raw Materials for Anionic Synthetic

Detergents

Alkyl Benzene

Methyl Esters

Sulphonation of Detergent Raw Materials

Sulphonation with SO3

Sulphonation Processes

Non-ionic Detergents

Cationic Detergents

Amphoteric Detergents



7. MANUFACTURE OF FINISHED DETERGENTS

Powders
Liquid Detergents
Paste Detergents
Solid Detergents
Fabric Softners
Abrasive Cleaners



8. APPLICATION AND FORMULATION OF DETERGENTS

Foam Household Cleaning Hard Surface Cleaners Solvent Detergent Carpet and Upholstery Cleaners Textile Dressing Food and Dairy Industries **Detergent Sanitizers Metal Cleaners** Miscellaneous Cleaners



9. TECHNOLOGY OF MANUFACTURING SYNTHETIC DETERGENTS

Introduction

Performance Criteria

Formulation Requirements

Approach to Product Formulation

Production of Detergent Active

Sulphonation

Additives to Detergent Actives

Production of Detergent Powder by Dry Mixing

Machine-mixing

Production of Detergent Bars

Liquid Detergents



10. MANUFACTURE OF DETERGENT PRODUCTS

Health and Safety Factors

Production Procedure

Derivation of Linear Alkyl Benzene (LAB)

Derivation of Fatty Alcohols

Process Based on Natural Fats

Process based on Ethylene Source

Sulphonation of Lab with 98 percent Sulphuric

Acid

Detergent Powder Prepared Without using Spray

Dryer

(High Bulk Density)



11. LIQUID DETERGENTS

Requisites of Surfactants for Formulating Liquid

Detergents

Surfactants Most Commonly Used

Builders

Viscosity Controllers

Other Ingredients

Household Liquid Detergents for Laundering

Typical Formulations

A Recommended Formulation



12. PACKAGING OF SOAPS AND DETERGENTS

Introduction
Packaging Material Specifications
Package Testing Methods
Other Tests
Packaged Commodities Rules

13. RAW MATERIALS (OILS AND FATS)

Classification of Fats/Oils
Some of the Most Useful, Fats and Oils
Purification of Soap Fats
Non Fatty Raw Materials for Soap
Other Additives (Foam Producers)



14. MANUFACTURING PROCESS AND FORMULATIONS OF VARIOUS SOAPS

- (A) Washing Soaps
- (B) Nerol Washing Soap
- (C) Toilet Soaps
- (D) Carbolic Soaps
- (E) Shaving Soaps
- (F) Special Soaps
- (G) Vaseline Soap
- (H) Liquid Soap
- (I) Girt Soaps
- (J) Depilatory Soaps
- (K) Metallic Soaps in Protective Coating Industry
- (L) Liquid Dental Soap
- (M) Medicated Soap



15. TECHNOLOGY OF SOAP MANUFACTURING

Manufacturing Soap

Glycerine Recovery

Production of Laundry and Toilet Soaps

Production of Filled Soaps on the Mazzoni

Technology of Toilet Soaps

Process Control

Other Soaps

16. TECHNOLOGY OF SOAP MANUFACTURING

Health and Safety Factors

Classification of Soap Products

Methods of Manufacture

Various Finishing Methods

Production



Washing bar/cake soap from neat soap Semi-boiling process and cold-made process Production of washing bar/cake soap by semi-boiling/ cold -made process Toilet soap Medicated Soaps Castile Soap by Boiling Process Various Industrial Soaps Laundry Washing Aids More Laundry Wash Mixtures Shaving Soaps Shaving Cream Liquid Soaps/Shampoos Shampoos Soap Shampoos Shampoos Based on Synthetic Surfactants



General formulations

17. SOAP MAKING BY CONTINUOUS PROCESS

(Quicker Methods)

Method of Continuous Saponification of Fats by Alkali Solution.

Continuous Neutralization Process

Continuous neutralization Process Using Fatty Acids Instead of Fats

Batch Methods of Splitting Fats in to fatty Acids and Glycerol

Purification of Fatty Acids

18. CLEANSING MECHANISM

Characteristics of Soap

Saponification of Fats - The Basic Chemical Reaction Making Soap



19. DIRECTORY SECTION

List of Suppliers of Raw Material (Indigenous)

List of Plant and Machinery suppliers (Indigenous)

List of Suppliers of Raw Material (Overseas) List of Plant and Machinery suppliers (Overseas)



See More At:

http://goo.gl/2mI1EU



VISIT US AT

www.entrepreneurindia.co



TAKE A LOOK AT NIIR PROJECT CONSULTANCY SERVICES ON #STREET VIEW

https://goo.gl/VstWkd



NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 COMPANY



WHO ARE WE?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad



WHAT DO WE OFFER?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- Technology Books and Directory
- Databases on CD-ROM
- Laboratory Testing Services
- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)



HOW ARE WE DIFFERENT?

- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite knowhow to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision



OUR APPROACH

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



WHO DO WE SERVE?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- o NRI's
- Foreign Investors
- Non-profit Organizations, NBFC's
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations



SECTORS WE COVER

- Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin
- Activated Carbon & Activated Charcoal
- Aluminium And Aluminium Extrusion Profiles & Sections,
- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling



- Bamboo And Cane Based Projects
- Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
- o Confectionery, Bakery/Baking And Other Food
- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct



- Copper & Copper Based Projects
- Dairy/Milk Processing
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- Essential Oils, Oils & Fats And Allied
- Engineering Goods
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing



- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitability Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries



- Infrastructure Projects
- Jute & Jute Based Products
- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing(Wet Milling) & Maize Based Projects
- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- o Organic Farming, Neem Products Etc.



- o Paints, Pigments, Varnish & Lacquer
- Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- Power Generation Based Projects & Renewable Energy Based Projects
- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- Plastic Film, Plastic Waste And Plastic Compounds
- Plastic, PVC, PET, HDPE, LDPE Etc.



- Potato And Potato Based Projects
- Printing And Packaging
- Real Estate, Leisure And Hospitality
- Rubber And Rubber Products
- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals



- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable



Niir Project Consultancy Services

106-E, Kamla Nagar, New Delhi-110007, India.

Email: npcs.ei@gmail.com, info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9811043595

Fax: +91-11-23841561

Website: www.entrepreneurindia.co

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd



Follow Us







>https://www.facebook.com/NIIR.ORG



>https://www.youtube.com/user/NIIRproject



>https://plus.google.com/+EntrepreneurIndiaNewDelhi



>https://twitter.com/npcs_in



> https://www.pinterest.com/npcsindia/



www.entrepreneurindia.co



THANK YOU!!!

For more information, visit us at:

www.entrepreneurindia.co

