## Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations (3rd Revised Edition)

Author: - P. K. Chattopadhyay

Format: paperback

Code: NI303 Pages: 552

Price: Rs.1895US\$ 200

**Publisher: NIIR PROJECT CONSULTANCY** 

**SERVICES** 

Usually ships within 5 days

Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations

(Phenyl, Naphthalene Ball, Mosquito Coil, Floor Cleaner, Glass Cleaner, Toilet Cleaner, Utensil Cleaning Bar, Liquid Detergent, Detergent Powder, Detergent Soap, Liquid Soap, Handwash, Hand Sanitizer, Herbal Shampoo, Henna Based Hair Dye, Herbal Cream, Shaving Cream, Air Freshener, Shoe Polish, Toothpaste) (3rd Revised Edition)

The term surfactant comes from the words surface active agent. A surfactant is briefly defined as a material that can greatly reduce the surface tension of water when used in very low concentrations. These are one of many different compounds that make up a detergent. They are added to remove dirt from skin, clothes and household articles particularly in kitchens and bathrooms. They are also used extensively in industry.

A disinfectant or agent that frees from infection is ordinarily a chemical agent which kills disease germs or other harmful microorganisms and is applied to inanimate objects. The specific way in which a disinfectant agent is used is dependent on both the desired objective and the infectious agent present.

Growing emphasis on health, safety and sanitation is fuelling demand for disinfectants & surfactants across industries such as food processing, healthcare and consumer. Personal care industry in India is very huge and is one of the main key drivers for Indian surfactants market. Surfactants industry has a large market for consumer products.

This handbook contains processes formulae of various products and providing information regarding manufacturing method. It covers raw material suppliers, photographs of plant & Machinery with supplier's contact details and some plant layout & process flow sheets. The Major Contents of the book are phenyl, floor cleaner, glass cleaner, toilet cleaner, mosquito coils, liquid detergent, detergent powder, detergent soap, naphthalene balls, air freshener, shoe polish, tooth paste, shaving cream, liquid soaps and handwashes, herbal shampoo, heena based hair dye, herbal creams, utensil cleaning bar, hand sanitizer etc.

It will be a standard reference book for professionals, entrepreneurs, those studying and researching in this important area and others interested in the field of surfactants, disinfectants,

## **CONTENTS**

## 1. INTRODUCTION

Disinfectant

Advantages & Disadvantages of Different

Classes of Disinfectants

Surfactant

Classification of Surfactants

Market Overview

2. PHENYL

Uses

**Properties** 

Manufacturing Process

3. FLOOR CLEANER

Composition of Floor Cleaner

Uses of Floor Cleaner

Raw Material Required for Floor Cleaner

Manufacturing Process of Floor Cleaner

Process Flow Diagram of Floor Cleaner

4. GLASS CLEANER

**Uses & Applications** 

Properties of Glass Cleaner

Formulations of Glass Cleaner

- 1. Acidic Glass Cleaner
- 2. Ammoniacal Glass Cleaner
- 3. Glass Cleaner without Ammonia

Manufacturing Process

Process Flow Diagram of Glass Cleaner

5. TOILET CLEANER

**Properties** 

**Features** 

Formulations of Toilet Cleaner

Manufacturing Process of Toilet Cleaner

Process Flow Diagram of Toilet Cleaner

6. MOSQUITO COILS

**Uses and Applications** 

**Properties** 

**Basic Raw Material** 

Manufacturing Process

**Process Flow Diagram** 

7. LIQUID DETERGENT

Uses of Liquid Detergent

Liquid Detergent Formulations

- 1. Heavy Duty Liquid Detergent
- 2. Light Duty Liquid Detergent

Manufacturing Process

**Process Flow Diagram** 

8. DETERGENT POWDER

Properties of Detergent Powder

**Uses & Applications** 

Manufacturing Process

Process Flow Diagram

9. DETERGENT SOAP

**Properties** 

**Uses & Applications** 

**Detergent Cake Formulation** 

Manufacturing Process

**Process Flow Diagram** 

10. NAPHTHALENE BALLS

**Uses & Applications** 

**Properties** 

Manufacturing Process

Process Flow Diagram

11. AIR FRESHENER (ODONIL TYPE)

**Properties** 

**Uses and Applications** 

Formulation for Preparing Odonil Type Solid

**Deodorant Cake** 

Manufacturing Process

**Process Flow Diagram** 

12. SHOE POLISH

**Uses and Applications** 

Formulation of Different Type of Shoe Polish

**Black Boot Polish** 

Dark Tan Polish

Concentrated Liquid Shoe Polish (Black)

Manufacturing Process

**Coloured Polishes** 

Process Flow Diagram

13. TOOTHPASTE

Components of Toothpaste

Typical Toothpaste Ingredients

Manufacturing Process

Process Flow Diagram

14. SHAVING CREAM

Raw Material Used for Shaving Cream

Application of Shaving Cream

Formulation

Manufacturing Process

15. LIQUID SOAPS AND HANDWASHES

Method of Manufacture

16. HERBAL SHAMPOO

**Properties** 

Manufacturing Process of Herbal Shampoo

Composition of Formulated Herbal Shampoo

Herbal Anti-Dandruff Shampoo

Formulation

Method of Herbal Anti-Dandruff Shampoo

Process Flow Diagram of Herbal Shampoo

17. HENNA BASED HAIR DYE

Properties of Hair Dyes

Formulations for Hair Dye

A. For Black Colour

B. For Making Burgundy Colour

C. For Making Chase Nut Colour

D. For Making Special Brown

Manufacturing Process

Process Flow Diagram

18. HERBAL CREAMS

Properties of Herbal Cream

Manufacturing Process of Herbal Cream

**Process Flow Diagram** 

19. UTENSIL CLEANING BAR

**Uses & Applications** 

Formulation

Manufacturing Process

Process Flow Diagram

20. HAND SANITIZER

Physical and Chemical Properties

Ingredients

Uses

Formulation of Herbal Hand Sanitizer

Manufacturing Process

21. FORMULATIONS

Bathroom Cleaner

**Bowl Cleaner (With Nonionic)** 

Bowl Cleaner (Nonionic/Perfume)

Toilet Bowl Cleaner

Tub & Tile Cleaner

Tub. Tile and Bathroom Cleaner

Tile Cleaner

Liquid Acid Toilet Bowl Cleaner

Pearlescent Toilet Bowl Cleaner

**Toilet Bowl Cleaner** 

Toilet Bowl Cleaner-Liquid

Toilet Bowl Cleaner with Bleach

Toilet Cleaner, Powder

Toilet Cleaner, Powder-B

Toilet Cleaning Block, Extruded-A

Toilet Cleaning Block. Extruded-B

Tile & Toilet Cleaner

Automatic Dishwasher Detergent-Dry Mix Formulation

Automatic Dishwasher Detergent-Agglomerated Formulation

Automatic Dishwashing Detergent

Dishwashing (Machine) Powder

**Automatic Liquid Dish Detergent** 

Liquid Dishwash Detergent - Economy

Liquid Dishwash Detergent -Intermediate

Automatic Dishwash Liquid

Industrial Dishwash, Mild Liquid

Hand Dishwash Liquid—High Quality

Hand Dishwash Liquid—Good Quality

Hand Dishwashing Liquid

Mechanical Dishwashing Detergent - Chlorinated

All Purpose Cleaner

All Purpose Cleaner - No Rinse

All Purpose Cleaner

All-Purpose Disinfectant Cleaner

Heavy Duty Alkaline Cleaner

Alkaline Powder Cleaner

Phosphate Free All Purpose Cleaner

Abrasive Cleaner with Bleach

Abrasive Cleaner without Bleach

Hard-Surface Cleaner

Hypochlorite Vertical Surface Cleaner

**Butyl Cleaner** 

Pine Oil Cleaner Concentrate

Disinfecting Cleaner, Alkaline

Heavy Duty Cleaner

**Neutral Cleaner** 

Non-Phosphate All Purpose Cleaner

Oil Splitting General Purpose Cleaner

Anti-Fogging, Anti-Static Glass Cleaner

Glass Cleaner, Ready to Use

Glass Cleaner Concentrate (Non-Ammoniated)

Glass Cleaner Concentrate

Amrnoniated Glass Cleaner

Glass and Window Cleaner

Household Window Cleaner

Premium Household Window Cleaner

Glass Cleaner

Glass Cleaner (Concentrate)

Windshield Washer Concentrate

Cleaner/Polish for Glass

Glass Cleaner Polish

All-Purpose Glass Cleaner

All-Purpose Glass Cleaner-Liquid Spray

Industrial Glass Cleaner

Concentrated Hard Surface Cleaner

Hard Surface Cleaner

Creamy Hard Surface Cleaner

Non-Butyl Hard Surface Cleaner

Hard Surface Cleaner

Alkaline Hard Surface Cleaner

Hard Surface Cleaner-Spray

All Purpose Cleaner with Solvent

Pine Oil Cleaner

General Purpose Hard Surface Cleaner

Alkaline Hard Surface Cleaner

Liquid Super Concentrate

Hard Surface and Floor Cleaner

Heavy Duty Laundry

Hard Surface Cleaner

Alkaline Hard Surface Cleaner

Hard Surface Cleaner-Spray

All Purpose Cleaner with Solvent

Pine Oil Cleaner

General Purpose Hard Surface Cleaner

Alkaline Hard Surface Cleaner

Liquid Super Concentrate

Hard Surface and Floor Cleaner

Heavy Duty Laundry

Won-Phosphate Laundry Powder

Heavy-duty Detergent, Powder, Spray Mixing Process-A

Heavy-Duty Detergent. Powder, Soray Mixing Process-8

Heavy Duty Liquid Laundry Detergent

Liquid Laundry Detergents

Liquid Light-Duty Detergent. Low Viscosity-A

Liquid Light-Duty Detergent, Low Viscosity-B

Industrial Laundry Powder

Laundry Powder Detergent

Industrial Laundry One-Shot Liquid

Hand-Wash Laundry Liquids - Moderate Foam

**Heavy Duty Detergent** 

Heavy Duty Liquid Laundry Detergent

Liquid Laundry Detergent - Economy

**Acid Cleaner** 

High-Foaming Acid Scrubber

Acid Cleaner, Iron and Steel, Soak or Spray

Powdered Acid Cleaner

Acid Aluminum Cleaner

Acid Cleaner (Powder Form)

Alkaline Cleaner, Aluminum, Spray

Alkaline Cleaner, Iron & Steel, Soak

Alkaline Cleaner, Iron & Steel, Spray

Aluminun Cleaner/Brightener

Aluminum Smut Cleaner

Metal Cleaning Alkaline

Metal Cleaning Acid

Metal Cleaning- Rust Removal

Aluminum Cleaning - Acid

Aluminum Cleaner

Aluminum Cleaner/ Polish, Soft Paste

Fine Brass Polish

**Grill Cleaner** 

Oven Cleaner

Pump Spray Oven Cleaner

Caustic Oven Cleaner

Non-Caustic Oven Cleaner

Oven Cleaner

Heavy Duty Oven Cleaner

Aerosol Shoe Polish

Shoe Polish Paste Wax

Baby Bath

Baby Cream

Baby Shampoo

**Baby Lotion** 

Baby Shampoo

Opacified Baby Shampoo

**Emulsified Baby Shampoo** 

Bath Oil

Bath Oil, Liquid

After Bath/Shower Milky Lotion

After Bath/Shower Soft Milky Cream

After Bath Moisturizing Lotion

Bath Gel

Bubble-Bath Gel

**Blooming Bath Oil** 

Bath and Shower Gel

Bubble Bath - Premium Foam Bath

Clear Body Wash

Cream Bath

Foam Bath

Medicated Foam Bath

Shower Gel

Fragrant Bath Oil

Swirling Bath Oil

Floating Bath Oil

Elegant Foaming Bath Oil

Hand & Body Cleanser

Skin Cleanser

Herbal Foam Bath

Herbal Cream Foam Bath

Low Irritation Shower Cleanser

Mild Shower Cleanser

Oil Foam Bath

Transparent Bath and Shower Bar

Vitamin Foam Bath

**Bubble Bath** 

Soothing Bath Oil

Hand Cleaning Cream with Solvent

Hand Washing Paste

Moisturizing Body Wash

After Bath Talc

Washing Lotion

Gel Conditioning Body Cleanser

Absorbant Facial Mask for Oily Skin

**ACNE Scrub** 

Aerosol Moisturizing Facial Mask

Aerosol Facial Mask for Chapped Skin

Aloe Anionic Moisturizer

Cleansing Emulsion

Cleansing Milk - A

Cleansing Milk - B

Facial Gel Cleaner

Conditioning Facial and Body Cleanser

Compact Powder

Face Bronzer Pressed Powder

Anti-Wrinkle Cream

Facial Firming Gel

Anti-Aging Cream

Anti-Bacterial Cleansing Cream

Anti-Aging Leave on Mask

Cleansing Oil

Milk Lotion

Cream Eye Shadow

Silky Blush

**Exfoliant Scrub** 

Cream Eye Shadow

Pearlescent Eye Shadow

Eye Firming Gel

Clear Eye Gel

Creamy Mascara

Waterproof Mascara

Mascara

Smudgeproof Mascara

Eye Make-up Removing Stick

Make-up Remover

Eye Make-up Remover, Liquid

Eye Make-up Remover in Gel Form

Make-up Remover, Surfactant Based

Lip Moisturizer

Lip Balm

Lip Balm A

Lip Balm B

Creamy Lipstick Base

Lipstick

Lip Care Stick with SPF ca.6

Lip Salve with Glycyrrhetinic Acid

Lip Salve Sunscreen

Lip Care Stick with Sunscreen

Lip Stick Base

Skin Tightening Gel

Skin Smoother Gel

Temporary Wrinkle Remover

Rouge Compact Powder

Rouge Stick

Rouge Stick with Pearly Gloss

All Purpose Cream

All Purpose Moisturizing Cream

Cold Cream

Anti-Cellulite Cream

Antiwrinkle Night Cream

Avocado Cream, Paraffin Free

Care Cream

Acne Cream

Anti-Acne Cream

Aerosol Hand Cream Mousse

Non-Stripping Cleansing Cream

**Barrier Cream** 

Cleansing Cream-A (W/O Emulsion)

Cleansing Cream-B (W/O Emulsion)

All-Purpose Cream with Conventional Emulsifier Basis

All-Purpose Dry Skin Cream

Hand and Nail Cream

Light Daycream, Skin Smoothing

Eye Cream with UV-filter and Evening Primrose Oil

Nightcream with Wheat Germ Oil

Anti-Ozone Cream (Preregen)

Night Cream

**Nutrition Cream** 

Fat Cream

Day Cream O/W

Day Cream O/W (Soft Cream)

Universal Day Cream O/W

Cocoa Butter Skin Cream

**Emollient Vanishing Cream** 

Athlete's Medicated Foot Cream

Cold Cream

**Depilatory Cream** 

Hair Moisturizing Spray

Aerosol Hair Spray Regular Hold

Aerosol Hair Spray Super Hold

Aerosol Hair Spray Formulation Containing Water

Aerosol Hairspray, Hydrocarbon Propellant

Aerosol Hairspray

Aerosol Spray

Hair Setting Lotion

Cream Hair Conditioner

Hair Straightening Cream

Clear Conditioner

Conditioner Hair Lotion

**Apricot Hair Conditioner** 

Wheat Germ Hair Conditioner

Balsam Conditioner

Clear Conditioner with Wheat Germ Cationic

Clear Leave-On Conditioner

Clear Conditioner for Daily Use

Daily Use Conditioner for Normal to Dry Hair

Conditioner for Dry/Damaged Hair

Conditioning Color Sealant for Temporary Hair Dyes

Cuticle Coat with Enhanced Shine

Conditioning Pretreatment for Chemical Processing

Hair Gloss Spray

Cream Hair Conditioner

Conditioner and Setting Lotion

Curl Conditioner and Oil Sheen

Cream Rinse

Cream Rinse Conditioner

Conditioner

Hair Gel

Hair Fixative

Conditioner

Styling Gel

Conditioning Protein Hair Gel

Hair Setting Gel

Conditioning Rinse Aerosol-Packed, Remains on Hair

Conditioning Rinse, Aerosol-Packed

Hair Conditioner, Aerosol-Packed

Conditioning Setting Lotion, Clear

Conditioning Setting Lotion, Cloudy

Setting Lotion, Clear, Oily

Cream-Rinse

**Curl Activator** 

Wave Lotion (Buffered)

**Economy Cream Rinse Conditioner** 

"Light" Cream Rinse Conditioner

Extra-Firm Holding Hairspray

Firm Holding Hairspray

80% VOC Hairspray

Firm Holding Hairspray

Hairspray

Hair Conditioner

Hair Cream Gel

Hair Gel

Hair Repair and Conditioner

Conditioning Hair Rinse for Oily Hair

Hair Shaping Gloss

Conditioning, Setting Gel

Hair Straightener

Hair Relaxer

Hair Styling Cream (for dried hair)

Resyn Hair Spray with Dimethicone Copolyol

Aerosol Filling

High Performance Cream Rinse Conditioner

Hair Shine Concentrated Gel

High Performance 80% VOC Non-Aerosol Hair Spray

**Ultra-Hold Finishing Spray** 

Modern Expression Hair Mask

Spiking Spritz

Non-Aerosol Finishing Spray

Finishing Spray

Replenishing Cream Rinse

Pelan Hair Conditioner

Pomade

Hair Straightener

Premium Biodegradable Hair Conditioner

Ethnic Hair Shine

Hair Sculpturing Treatment

Flexible Hold Styling Mousse

Hair Setting Cream

Permanent Wave

Cold Perm (Carbonated)

Hair Spray

Medium Hold Hair Spray

Firm Holding/High Humidity Hair Spray

Hair Spray

Pump Setting Spray (100% VOC)

Pump Setting Soray (80% VOC)

Hair Spray, Aerosol-Packed

Hair Dressing Cream O/W

Hair Dressing Cream W/O

Hair Dressing Cream O/W

High Solids Hair Spray-80% VOC

High Solids Hair Spray (Innovative 80% Equivalent)

**Body Lotion** 

Milk Lotion

Body Lotion, Type O/W, with MPC-Milk Peptide Complex

Flowable Moisturizing Milk Creamy Lotion

Monasil PCA Lotion

AHA Moisturizing Lotion

Anti-Aging Day Lotion

Cationic Lotion with Incroquat Behenyl TMS

Body Lotion for Sensitive Skin

Cleansing Lotion

**Botanical Facial Moisturizing Lotion** 

Cationic Lotion

Body Lotion: Water in Oil

Cromoist CM-Glucan Lotion with Crodafos CES

Dihydroxyacetone Lotion

Isolan DO Lotion (O/W Cold Process)

**Emollient Lotion** 

Ethnic Hand & Body Lotion

Hand and Body Lotion

Cocoa Butter Hand and Body Lotion

Hand and Body Lotion

**Depilatory Lotion** 

Hand and Body Lotion

**Dry Touch Emollient Lotion** 

Hand and Body Lotion

Rehydrating Body Lotion

Hand and Body Lotion

**Hand Lotion** 

Hand & Body Lotion

Light Conditioning Hand Lotion

Incroquat Behenyl TMS Lotion

High SPF-30 Lotion Cold Process

Aloe Vera Gel Shampoo

Acid Balanced Conditioning Shampoo

All Purpose Shampoo

Amide Free Shampoo (Formulated to be amide-free)

Premium Clarifying Shampoo

Anti-Dandruff Lotion Shampoo

Anti-Dandruff Cream Type Shampoo

Anti-Dandruff Shampoo

Children's Conditioning Shampoo

Anti-Dandruff Shampoo

Moisturizing Anti-Dandruff Shampoo

Clear Shampoo with Microcapsules

All Natural Shampoo

Conditioning Color Enhancer Shampoo

Shampoo-Clear Gel Type

Conditioning Shampoo

Clear, Colorless Conditioning Shampoo

Deodorizing Shampoo

Shampoo

Mild Deep Cleaning Shampoo

Water White Shampoo

Coconut Shampoo (35% Real Soap)

Coconut-Oleic Shampoo (35% Real Soap)

Cream Shampoo

Crystal Clear Conditioning Shampoos

Crystal Clear Luxury Shampoo

Crystal Clear Conditioning Shampoo

Gentle Shampoo

Hair and Body Shampoo

Shampoo

Preparation in the Laboratory

High Performance Low Irritation Shampoo

Low Irritation Conditioning Shampoo

Low-Cost Shampoo

Conditioning Shampoo

Mild Shampoo with Panthenol

Clear Mink Oil Shampoo

Neutralizing Conditioning Ethnic Shampoo

Mild Anti-Dandruff Shampoo

Pearled Shampoo

Clear Shampoo

Clear Gel Shampoo

Pearlized Conditioning Shampoo

Clear Conditioning Shampoo

Salon-Style Shampoo

Baby Shampoo

Insect Repellent Cream O/W

Insect Repellent Emulsion O/W, Liquid

Insect Repellent Oil, Alcoholic

Insect Repellent Stick

Insect Repellent Spray, Aerosol-Packed

**Gelled DEET** 

Repellent Stick

Stick Formula

Repellent Roll-On

After Shave Lotion O/W Emulsion

W/O After Shave Lotion

After Shave Lotion

Clear Shaving Gel

Cooling After Shave (Oil Free/Alcohol Free)

Moisturizing After Shave Treatment (Eashave)

Refreshing After Shave (Eashave)

After Shave Bala

Soft After Shave Balm (Eashave)

Oil-in-Water After-Shave Balm

After Shave Balsam

**Shaving Cream** 

Shave Cream

Aerosol Shave Cream

Nonionic Aerosol Shave Cream

After Shave Conditioner

Aftershave Gel with Peppermint and Tea Tree Oil

**Shave Cream Concentrate** 

Electric Preshave

Shave Gel

Clear Liquid Hand Soap with Suspended Mineral Oil Beads

d-Limonene Hand Soap

d-Limonene Waterless Hand Cleaner

Clear Liquid Hand Soap

Conditioning Hand Soap

**Emollient Liquid Hand Soap** 

Cream Soap

Hand Cleaners (Powder Dispenser Type)

Powder Dispenser Type

Hand Cleaner, Powder (Dispenser Type)

Hand Cleaners (Handsoap-Clear Liquid)

**Heavy Duty** 

Hand Cleaner, Waterless, Liquid

Hand Cleaner-Waterless Paste

Waterless Paste

Hand Cleaner-Waterless Paste

Liquid Hand Soap

Coconut-Oleic Hand Soap

Hand Cleaners (Waterless Paste)

Waterless Paste

Liquid Hand Soap W/Aloe

**Deodorant Hand Wash** 

Luxury Liquid Soap

Liquid Hand Soap

Mild Liquid Soap

Hot-Pour Syndet Bar

Opaque Liquid Soap

**Transparent Toilet Soap** 

Moisturizing Liquid Hand Soap

Germicidal Hand Cleanser

Neutral pH Detergent Bar

Solid Iodophor Cleansing Bar

Non-Drying Lotion Hand Cleaner

Waterless Handcleaner

Pearlized Liquid Soap

Sanitizing Hand Soap

Skin Conditioning Liquid Soap

Clear Gel Hand Soap

Gel Waterless Hand Cleaner

Slow Setting Gel Waterless Hand Cleaner

Waterless Hand Cleaner

Slow Set Waterless Hand Cleaner

Fast Set Waterless Hand Cleaner

Soft Skin Liquid Soap

Conditioning Liquid Soap

Soap Base Beauty Bar

Liquid Soap

Dry Touch Physical Sunscreen

Enriched Moisturizing Lotion (Before & After Tanning)

Sunscreen Spray

Microfine Titanium Dioxide Sunscreen (O/W) Lotion

After Sun Lotion

Sun Tan Cream

Sun Tan Oil

Moisturizing Hydrogel with B-Glucan

After Sun Lotion

Light After Sun Fluid

After Sun Lotion

Sunscreen Cream

After Sun Milk

W/O-Sun Screen Milk

Oil-in-Water Sun Protection Cream

Oil-in-Water Sun Protective Cream with "Natural" Sun Filter

Sunscreen Gel

Sunscreen Gel SPF 10

Sunscreen Gel SPF 10 (Aqueous-Alcoholic)

Sunscreen Lotion

Sunscreen Lotion (SPF 15\*)

Waterproof Sunscreen Cream (SPF 19\*)

Sunscreen Moisturizing Cream

Sunscreen (O/W) Lotion SPF 16

Sunscreen (0/W) Lotion SPF 17

Sunscreen (W/O) Lotion SPF 20 (Broad Spectrum UVA/UVB Protection)

Sunscreen (W/O) Lotion SPF 23 (Broad Spectrum UVA/UVB Protection)

Sunscreen (W/O) Lotion SPF 30 (Waterproof Broad Spectrum UVA/UVB Protection)

Titanium Dioxide Based Water Resistant Sunscreen (SPF 22)

Waterproof Sunscreen Cream

Waterproof Suntan Lotion SPF 17

Moisturizing Sunscreen

Waterproof W/O Sunscreen Lotion (SPF-16)

Cooling After Sun Lotion

Waterproof W/O Sunscreen Lotion (SPF 22)

Water-In-Oil Sunscreen (SPF 26)

Water Resistant Sunscreen Lotion

Water-Resistant Sunscreen Lotion (SPF 24)

Chalk Toothpaste

Aluminum Hydroxide Toothpaste

Clear Gel Toothpaste

Phosphate Toothpaste

Chalk Toothpaste

Silica Toothpaste (Opaque Paste)

Silica Toothpaste (Transparent Paste)

Silica Toothpaste (Translucent Paste)

**Tartar Control Toothpaste** 

Toothgel

Toothpaste

Toothpaste, Transparent

22. RIGHT PACKAGING FOR YOUR PRODUCT

- 1. Packaging Budget
- 2. Packaging Transportation
- 3. Packaging Materials and Sustainability
- Blister Packs
- Clamshells
- Skin Packs

4. Packaging Size 5. Packaging Design and Branding Packaging Possibilities 23. ADDRESSES OF RAW MATERIAL SUPPLIERS 24. SAMPLE PLANT LAYOUT & PROCESS FLOW **SHEETS** 25. PHOTOGRAPHS OF PLANT & MACHINERY WITH SUPPLIER'S CONTACT DETAILS

## **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, Startup 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

Fri, 09 May 2025 07:56:49 +0000