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

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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,

cleaners, toiletries, personal care products manufacturing.

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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 lodophor 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

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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.

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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.

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