

# Formulary, Formulation, Formulas Handbook

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

**Author:** P. K. Chattopadhyay

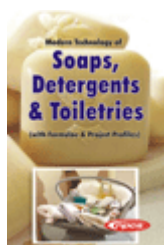
**Format:** Paperback

**Book Code:** NI34

**Pages:** 448

**ISBN:** 9789381039700

**Price:** Rs. 1,275.00 **US\$** 125.00



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.

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## [Adhesives Formulary Handbook \(Reprint\)](#)



**Author:** NIIR Board

**Format:** Paperback

**Book Code:** NI41

**Pages:** 600

**ISBN:** 817833061X

**Price:** Rs. 1,275.00 **US\$** 125.00



Adhesives surround us in nature and in our daily lives. Adhesive, or glue, is a mixture in a liquid or semi liquid state that is capable of holding materials together by surface attachment. An adhesive is a compound that adheres or bonds two items together so as to form a single unit. Adhesives may come from either natural or synthetic sources. Adhesives and sealants virtually touch every part of our lives. Some modern adhesives are extremely strong, and are becoming increasingly important in modern construction and industry. A large and growing number of adhesives are available in the market. Adhesives for this growing market range from the simplest glues and mucilages for furniture making and repair, to metal to metal bonding for frame construction. There is no end in sight to the new materials, new formulation, and new uses to which adhesives will be put in the future. Formulations generally are compounded to satisfy a special need or needs. Therefore, uniformity of neither product nor end use exists. Applicators of different adhesives are designed according to the adhesive being used and the size of the area to which the adhesive will be applied. The adhesive is applied to either one or both of the materials being bonded. The pieces are aligned and pressure is added to aid in adhesion and rid the bond of air bubbles. Adhesives are of great use across innumerable industrial and commercial applications. Some of the fundamentals of the book are water based industrial type adhesives, home construction and related adhesives, water based wallpaper adhesive, fabric adhesives, water based adhesive for bonding non woven fabric to non woven fabric by knife coating, film adhesives, water based food packing adhesive for bonding, flocking adhesives, foam adhesives, water based adhesive for bonding urethane, industrial adhesives, bag seam and bottom paste adhesives, solid fiber, fiberboard and corrugated board adhesives, packaging adhesives etc. This indispensable book contains numerous essential adhesive formularies distinguished by application. This book will be an invaluable resource to its readers, upcoming entrepreneurs, scientists, existing industries, technical institutions, etc.

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## [Herbal Soaps & Detergents Handbook](#)

**Author:** H. Panda

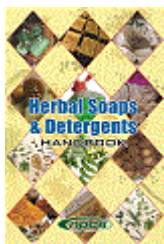
**Format:** Paperback

**Book Code:** NI53

**Pages:** 536

**ISBN:** 9789381039007

**Price:** Rs. 1,275.00 **US\$** 125.00



The use of herbs for medicinal and cosmetic purpose goes back to the ancient times. The emphasis at the present hour has been laid on the spectacular growth of the herbal and ayurvedic products. The demand in past is found to have increased with increase in number of middle class population. People are now a days very much aware of the ingredients in cosmetic products, the benefits of plant products and the harmful effects of chemical ingredients. The presence of artificial and chemical ingredients in cosmetic products has made people to rethink about suitable alternatives to suit their personal care regime. The herbal products have finally made their appearance in packaged form in the domestic markets, as cosmetics and personal care preparation such as soaps, shampoos, detergent bars, liquid soaps, liquid detergents, etc. These products play a vital role in our sense of well being and quality of life. The herbal soaps and detergents directly influence our emotions and can trigger moods. These creations not only protect the skin from harmful sun radiations but also leave behind a pleasant fragrance. Due to the increasing awareness and importance of cleanliness and healthiness, the use of herbal products is also increasing. Future demand for herbal products depends upon the per capita rate of consumption and segment of population using these products. This handbook provides detailed information on the manufacturing process of herbal soaps and detergents. This book contains numerous formulae, manufacturing process of different type of soaps and detergents which are used in day to day life. The book is an unique compilation and will be very helpful to all its readers, new entrepreneurs, professionals, beauty care product manufacturers, existing units, technical institutions, etc.

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## [Selected Formulary Book on Cosmetics, Drugs, Cleaners, Soaps, Detergents, Dentrices and Depilatories](#)

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI189

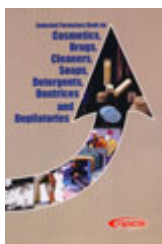
**Pages:** 720

**ISBN:** 9788190439800

**Price: Rs. 1,500.00 US\$ 150.00**

Cosmetics are substances used to enhance the appearance or odor of the human body. These are products that are created for application on the body for the purpose of cleansing, beautifying or altering appearance and enhancing attractive features. But cosmetics are not the same thing as medicines and cosmetics cannot be used to alter a body functions or performance. Beauty cosmetic products that are manufactured in India include an extensive range of makeup cosmetics and toiletries like skin creams and lotions, perfumes, lipsticks and lip gloss, nail varnish, toothpastes, deodorants and eye and face makeup products to cite a few examples. A chemical depilatory is a cosmetic preparation used to remove the hair from the skin on the human body. The depilatories industry is comprised of companies primarily concerned with the manufacturing, distribution, and retailing of hair removal products.

Depilatories are considered cosmetic products used to remove unwanted hair on the surface of the skin, and typically come in cream, gel, aerosol, lotion, or powdered form. Indian cosmetics market is reportedly growing at 15 to 20% annually. Drugs are usually distinguished from endogenous biochemical by being introduced from outside the organism. Drugs and pharmaceutical industry plays a vital role in the economic development of a nation. It is one of the largest and most advanced sectors in the world, acting as a source for various drugs, medicines and their intermediates as well as other pharmaceutical formulations. India has come a long way in this field, from a country importing more than 95% of its requirement of drugs and pharmaceuticals; India now is exporting it even to developed countries. Soaps and Detergents are cleaning products that have become an essential part in our daily lives. Soaps are mainly used as surfactants for washing, bathing, and cleaning, but they are also used in textile spinning and are important components of lubricants. Cleaning products play an essential role by safely and effectively removing dirt, germs and other contaminants, and thus promote a hygienic lifestyle. Toilet soaps account for the largest single share of about 10% in FMCG (fast moving consumer good) market. The toilet market is getting saturated at a high penetration level of 98% and is growing at a very modest rate. The toilet soap, once only an urban phenomenon, has now penetrated practically in all areas including remote rural areas. The incremental demand flows from population increase and rise in the usage norm impacted as it is by a greater concern for hygiene. Increased sales revenues would also expand from up gradation of quality or per unit value. The market is littered over with several leading national and global brands and a large number of small brands which have limited markets. Some of the fundamentals of the book are cosmetics and drugs, ocean bathing salt, oxygen bathing salt, medical bathing salts, carlsbad well, freichenhall kreuznach, hallein well, sodium thiosulphate plus acid, bath water, prophylactic face waters, kummerfelds (face) water sulphur, colloidal or finely, alcoholic sulphur hair lotion, preparation for head massage, scalp stimulant, hair wave concentrate, hair setting concentrate liquid, hair fixative brilliantine, non greasy brilliantine, hair fixative cream, hair fixative perfumes, hair oil, soap less shampoo, soap less shampoo powder, cleansers, soaps and detergents etc. Formulation is a key process in the overall life cycle so that products are delivered that is of the right quality, at a competitive cost, and is made available within the specified time scale. This book present several hundred advanced product formulations for household, industrial and other applications. This book will be an invaluable resource to development chemists looking for leads in the formulation of a wide range of



products.

## [Selected Formulary Handbook](#)

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI191

**Pages:** 576

**ISBN:** 9788190439848

**Price:** Rs. 1,475.00 US\$ 150.00



Formulation is a key process in the overall life cycle so that products are delivered that is of the right quality, at a competitive cost, and is made available within the specified time scale. A formula is an entity constructed using the symbols and formation rules of a given logical language. In science, a specific formula is a concise way of expressing information symbolically as in a mathematical or chemical formula. The chemical formula identifies each constituent element by its chemical symbol and indicates the number of atoms of each element found in each discrete molecule of that compound. If a molecule contains more than one atom of a particular element, this quantity is indicated using a subscript after the chemical symbol and also can be combined by more chemical elements. It is all in the formula, whose implications also remain undiscovered by modern economists. It plays a major role in every process whether it is manufacturing process or preservation. There is a big importance of formula in our life because formulas and equations deal with everyday things like shapes, investments, mixing things, movement, lighting, travel and a host of other things they provide information you can use in planning activities. Some of the fundamentals of the book are foods, foods adulterants, beverages, flavours extracts, dried casein, its manufacture and uses, phosphate of casein and its production, preparation of edible emulsions of solid in fat, gelatin desert, lemon flavor gelatin dessert, cherry flavor, chocolate peanut bars, coffee caramels, butterscotch squares, Everton toffee, licorice drops, fruit jelly, candies, fruit caramels, sausage, American pork sausage, German mince meat, gravy aid kitchen bouquet type Sauer, kraut essential oils, imitation lemon flavor, non alcoholic lemon flavor, non alcoholic imitation lemon flavor, household root beer flavor, temperature readings for syrups, Swedish bitters, pharmaceuticals and proprietary, antiseptic inhalant, antiseptic for telephone mouthpiece, mentholated throat and mouth wash, zinc chloride mouth wash, sterilizing solution for oral mucous membrane, ephedrine nasal spray, antiseptic oil spray for nose and throat, aseptic and analgesic dusting powder for wounds hay fever ointment, etc. This book present several hundred advanced product formulations for household, industrial and other applications. This book will be invaluable resource to development chemists looking for leads in the formulation of a wide range of products.

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## [Selected Formulary Book on Inks, Paints, Lacquers, Varnishes and Enamels](#)

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI192

**Pages:** 568

**ISBN:** 9788190439855

**Price:** Rs. 1,475.00 **US\$** 150.00



A formula is an entity constructed using the symbols and formation rules of a given logical language. In science, a specific formula is a concise way of expressing information symbolically as in a mathematical or chemical formula. Formulation is a key process in the overall life cycle so that products are delivered that is of the right quality, at a competitive cost, and is made available within the specified time scale. The chemical formula identifies each constituent element by its chemical symbol and indicates the number of atoms of each element found in each discrete molecule of that compound. If a molecule contains more than one atom of a particular element, this quantity is indicated using a subscript after the chemical symbol and also can be combined by more chemical elements. It is all in the formula, whose implications also remain undiscovered by modern economists. It plays a major role in every process whether it is manufacturing process or preservation. There is a big importance of formula in our life because formulas and equations deal with everyday things like shapes, investments, mixing things, movement, lighting, travel and a host of other things they provide information you can use in planning activities. This book basically deals with inks and marking inks, inks for stamp pads, inks for hand stamps, color stamps for rough paper, indelible hand stamp ink, white stamping ink for embroidery, stencil inks, blue stencil inks, indelible stencil inks, sympathetic inks, typewriter ribbon inks, coloring agents, writing inks, how to decorate furniture, novelties, furniture lacquer enamels, white lacquer enamel, egg shell white enamel, high gloss white enamel, colors for furniture spraying, furniture lacquer formulas., enamels and industrial varnishes, general purposes varnish, spar and boat varnish, exterior varnish, varnish for outside work, spar and yacht varnish, quick drying interior varnish, crystal varnish (indoor), hard varnish for floors, colored linseed oil floor dressing, wrinkle finish varnish, brewers pitch and keg varnishes, undercoat varnish, quick drying varnish mastic varnish etc. This book present several hundred advanced product formulations for household, industrial and other applications. This book will be of help to development chemists looking for leads in the formulation of a wide range of products.

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## [Selected Formulary Book on Petroleum, Lubricants, Fats, Polishes, Glass, Ceramics, Nitrogenous Fertilizers, Emulsions, Leather and Insecticides](#)



**Author:** NPCS Board of Consultants & Engineers

**Format:** Hardcover

**Book Code:** NI211

**Pages:** 784

**ISBN:** 9788190568562

**Price:** Rs. 2,275.00 US\$ 200.00



A man entering an industry soon finds that most of the products manufactured by his company are not synthetic or definite chemical compounds, but are mixtures, blends or highly complex compounds of which he knows little or nothing. The literature in this field, if any, may be meager, scattered or antiquated. Formulation is a key process in the overall life cycle so that products are delivered that is of the right quality, at a competitive cost, and is made available within the specified time scale. A formula is an entity constructed using the symbols and formation rules of a given logical language. In science, a specific formula is a concise way of expressing information symbolically as in a mathematical or chemical formula. The chemical formula identifies each constituent element by its chemical symbol and indicates the number of atoms of each element found in each discrete molecule of that compound. If a molecule contains more than one atom of a particular element, this quantity is indicated using a subscript after the chemical symbol and also can be combined by more chemical elements. It is all in the formula, whose implications also remain undiscovered by modern economists. It plays a major role in every process whether it is manufacturing process or preservation. There is a big importance of formula in our life because formulas and equations deal with everyday things like shapes, investments, mixing things, movement, lighting, travel and a host of other things they provide information you can use in planning activities. This book basically deals with the extracting oil from cottonseed, silver nitrate test for cottonseed oil, solid linseed oil, decolorizing or bleaching linseed oil, linseed oil for varnish making, refining linseed oil, mineral oil, leather stuffing grease, leather adhesion grease, liquid belting lubricant, belt adhesion compounds, belt preserving grease, government harness dressing, rubber belt dressing (non static), wire drawing lubricant, wire drawing composition, metal drawing lubricant, cold drawing metal lubricant, drawing compound for aluminum, brass drawing lubricating emulsion, sheet steel drawing lubricant, non seizing threads and gaskets, machine tool lubricant, slushing oil for metal protection horse shoe grease etc. This book is an invaluable resource of the formulae of petroleum, lubricants, fats, polishes, glass, ceramics, nitrogenous fertilizers, emulsions, leather and insecticides. This book present several hundred advanced product formulations for household, industrial and other applications. The purpose of publishing this book is very useful for chemists, entrepreneurs, existing units, technocrats and engineering students.

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## [Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations](#)

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI303

**Pages:** 552

**ISBN:** 9789381039793

**Price:** Rs. 1,695.00 **US\$** 150.00



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, Tooth Paste) 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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## 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 various 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.

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