

**Formulary, Formulation, Formulas Handbook  
(Chemicals, Surfactants, Disinfectants,  
Insecticides, Cleaners, Toiletries, Inks, Paints,  
Lacquers, Varnishes, Enamels, Petroleum,  
Adhesives, Drugs, Cosmetics)**

[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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## [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.

## **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.

**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.

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

**Author:** P. K. Chattopadhyay

**Format:** Paperback

**Book Code:** NI303

**Pages:** 552

**ISBN:** 9788195075539

**Price:** Rs. 1,895.00    **US\$** 51.00

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, 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.

## **Selected Formulary Book on Cosmetics, Drugs, Cleaners, Soaps and Detergents (2nd Revised Edition)**

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

**Format:** Paperback

**Book Code:** NI315

**Pages:** 416

**ISBN:** 9789381039731

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

Cosmetics are linked to the aesthetics of beauty and have been used for centuries to improved the appearance and enhance attractiveness. Besides helping us with our personal hygiene, cosmetics have become vital to our self-esteem and largely determine how other people treat us and our ability to influence them. Cosmetic products are segmented into skin care products, hair care products, color cosmetics, fragrances, etc. A soap or a detergent is a material which, when dissolved in water, aids the removal of dirt from a surface. The soap, detergent product industry is vivacious, varied, creative and tricky and has the prospective to provide a gratifying career. The increasing demand for advanced and sophisticated cosmetics, soaps and detergent is an important driving factor in the market. The market for soaps & detergents in Asia Pacific is likely to expand significantly due to the changing lifestyle of people and growing modernization. Presently, the retail sale segment generates a larger share of the overall global market revenue. The distribution channels such as supermarkets, department stores, pharmacy & drug stores, specialty stores, beauty salons, Internet retailing, and shopping complexes play an essential role in meeting the demand for these products. The book contains processes formulae, plant & machinery suppliers with their photographs and providing information regarding manufacturing method of various products. Some of the fundamentals of the book are cosmetics and drugs, ocean bathing salt, oxygen bathing salt, medical bathing salts, carlsbad well, hallein well, sodium thiosulphate plus acid, bath water, alcoholic sulphur hair lotion, scalp stimulant, hair wave concentrate, hair setting concentrate, hair fixative cream, hair fixative perfumes, hair oil, shampoo Powder, cleansers, soaps and detergents, cleaning skins and leather, glass cleaning, dish washing powder, stain removers, bleaching agent, soft soap, laundry soap etc. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

# Adhesives Formulary Handbook (Second Edition)

**Author:** P. K. Chattopadhyay

**Format:** Paperback

**Book Code:** NI353

**Pages:** 536

**ISBN:** 9788195744718

**Price:** Rs. 1,895.00 US\$ 48.00

Adhesives Formulary Handbook (Adhesives for Construction, Fabric, Packaging, Paper, Film, Flocking, Foam, Water-Based, Oil-Based, Corrugation, Labelling, Hot Melt Adhesives, Pressure Sensitive Adhesives, Hot Melt Coatings, Grouting Compounds, Epoxy Adhesives, Caulking, Cement, Concrete and Plaster Patching Compounds, Glazing Compounds, Joint Cements, Mastics, Putties, Sealants, Solders with Machinery Equipment Details & Factory Layout)

Adhesives are substances that bind materials together. It is a kind of substance that adheres to other substances. It might be powdered and dry, like baking soda or cornstarch, or it can be sticky like glue. Many people unknowingly use adhesive on a daily basis. Stickers, bubble gum, and tape are a few examples. Adhesive comes in a wide variety of forms, each with a specific purpose and use. Rubber cement, for instance, can be used to attach the paper to surfaces. It possesses a solid binding that can be easily broken with water or an oil-based solvent. Synthetic adhesives are usually cheaper and easier to use than natural ones, but they may not last as long. There has been an increase in popularity of these products thanks to their low price point and ease of use. There is also an abundance of different options available for these products which allows people with different needs or preferences to find what suits them best. The adhesives market is expected to be positively impacted by growing building and construction industry demand. Adhesives are essential construction raw material used in various applications in the industry, from drywall lamination to flooring and roofing. This is because these industries require different types or levels of protection from chemicals and/or heat, which can only be provided by adhesives. Use of adhesives by the automotive industry is expected to grow at a CAGR of 2.6% over the next years. Increasingly pre-fabricated houses are also using adhesives instead of nails, driving the demand for adhesives. The use of adhesives in transportation and packaging will also drive growth with a CAGR of 3.2%. The adhesive market is enormous, and the demand for adhesives will never go down. The production of adhesives is a lucrative industry with several workable company concepts. Therefore, it makes sense to give it a try by starting your own business. Many entrepreneurs are realizing the benefits of owning an adhesive business. One major reason is that this type of

business only requires a small amount of start-up capital. It's also a great way for entrepreneurs to get their feet wet in the entrepreneurial world without having to worry about things like inventory, shipping and customer service. Continue reading this book for more information on the glue industry. You'll learn more about starting your own Adhesives manufacturing business. Making adhesives is a great way to generate money because there is such a high demand for them in today's market. The major contents of the book are Adhesives for Construction, Fabric, Packaging, Paper, Film, Flocking, Foam, Water-Based, Oil-Based, Corrugation, Labelling, Hot Melt Adhesives, Pressure Sensitive Adhesives, Hot Melt Coatings, Grouting Compounds, Epoxy Adhesives, Caulking, Cement, Concrete and Plaster Patching Compounds, Glazing Compounds, Joint Cements, Mastics, Putties, Sealants, Solders, Factory Layout, Machinery Equipment Details & photographs with Suppliers Contact Details. A total guide to manufacturing and entrepreneurial success in today's most demandable Adhesive industry. This book is one-stop guide to one of the fastest growing sectors of the Adhesive industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of Adhesive product. It serves up a feast of how-to information, from concept to purchasing equipment.

## Herbal Cosmetics Handbook (Formulae, Manufacturing Processes with Machinery & Equipment Details) 4th Revised Edition

**Author:** Dr. Himadri Panda

**Format:** Paperback

**Book Code:** NI354

**Pages:** 496

**ISBN:** 9788195370108

**Price:** Rs. 1,775.00 US\$ 45.00

Herbal cosmetics are formulated, using different cosmetic ingredients to form the base in which one or more herbal ingredients are used to cure various skin ailments. Herbal cosmetics are natural and free from all the harmful synthetic chemicals which otherwise may prove to be toxic to the skin. Compared to other beauty products, natural cosmetics are safe to use. The global herbal beauty products market is anticipated to grow at a compound annual growth rate (CAGR) of 5.2%. Rising focus on appearance and looks coupled with increased acceptance of herbal products among consumers are some of the factors that are expected to help the expansion of the market worldwide. The increased demand for chemical-free beauty products along with growing awareness about cruelty-free cosmetics is supporting market growth. The Herbal Cosmetic industry in India has been developing in a faster pace. The demand for herbal cosmetic products is provoked by changing lifestyles of the consumers, growing awareness among them regarding the harm caused to their bodies after usage of chemical-based cosmetics products, and increasing concern among the population to look good. Further, it is anticipated that the Indian Herbal Cosmetic industry is expected growing at a CAGR of 19% over the forecast period of continue in the coming years as well. The book cover various aspects related to different Herbal Cosmetics with their process and also provides contact details of machinery suppliers with equipment photographs and plant layout. A total guide to manufacturing and entrepreneurial success in Herbal cosmetics industry. This book is one-stop guide on Herbal cosmetics industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of Herbal cosmetics. It serves up a feast of how-to information, from concept to purchasing equipment.

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## Handbook on Active Pharmaceutical Ingredients (API), Drugs &

**Pharmaceutical Products**

**Author:** Ashish Dey

**Format:** Paperback

**Book Code:** NI355

**Pages:** 552

**ISBN:** 9788195830435

**Price:** Rs. 2,495.00    **US\$** 63.00

Handbook on Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products(Paracetamol, Aspirin, IV Fluids, Ointment, Metronidazole, Liquid Glucose, Surgical Cotton, Syrup, Tablet, Excipients, Pharmaceutical Salts with Manufacturing Process, Machinery Equipment Details and Factory Layout) An active pharmaceutical ingredient (API) is the

active substance in a pharmaceutical drug that produces its therapeutic effect. APIs can be synthetic chemicals or natural sources such as plant extracts. APIs are components of drugs, the majority of which are manufactured by pharmaceutical companies. Drugs, on the other hand, are dosage forms that contain an API and are distributed to patients for use.

Pharmaceutical products are any compounds used in the medical industry to diagnose, treat, cure, or prevent diseases. These products are typically formulated as drugs, vaccines, biologics, and medical devices, which can either be prescribed by a doctor or bought over-the-counter (OTC). They come in various forms such as tablets, capsules, syrups, ointments, creams, solutions, suspensions, implants, patches, and powders. Pharmaceutical products are manufactured under strict guidelines and must adhere to various regulations such as Good Manufacturing Practices (GMP). The global market for Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products is expected to grow rapidly over the next few years. This growth will be driven by rising demand for improved healthcare services and an increasing number of new treatments. The market for active pharmaceutical ingredients is anticipated to rise at a CAGR of 5.90%. The development in the production of active pharmaceutical ingredients (APIs) as well as the increased incidence of chronic diseases including cancer and cardiovascular conditions are both responsible for the expansion. Government regulations that are supportive of API manufacturing, together with shifting geopolitical conditions, are accelerating market expansion. The pharmaceutical products market has grown steadily in recent years, and is expected to continue to do so. This growth is driven by a number of factors, including increased demand for new drugs, changing disease patterns and aging populations in some countries, as well as the emergence of innovative drugs and technologies. The market is being shaped by the rise of emerging economies and their increasing healthcare needs. This has led to increased investment in drug research and development, as well as an

increase in the number of multinational companies setting up operations in various countries. Furthermore, generic drugs are becoming increasingly popular as a way of reducing healthcare costs. Generic drugs are copies of brand-name drugs, which are manufactured by generic drug companies. They offer an effective alternative to branded drugs and are often much cheaper. As a result, generic drugs are increasingly being used in countries across the world, leading to an increase in the global pharmaceutical products market. Overall, the global market for pharmaceutical products and drugs are set to continue to grow in the coming years. New products, innovative technologies and emerging markets will drive growth, and this will bring both opportunities and challenges for the industry. The books' main subjects include Active Pharmaceutical Ingredients (API), Drugs, Aspirin, Paracetamol, IV Fluids, Ointment, Metronidazole, Liquid Glucose, Surgical Cotton, Syrup, Tablet, Excipients, Pharmaceutical Salts with formulations, factory layout, and images of machinery with contact information for suppliers. A thorough guide to manufacturing and business operations in the Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products industry. The Active Pharmaceutical Ingredients (API), Drugs & Pharmaceutical Products manufacturing industry is full with opportunity for producers, traders, and business owners, and this book is your one-stop resource for all the information you require. The only complete manual on the creation of commercial Active Pharmaceutical Ingredients (API), medications, and pharmaceutical products is this one. It offers a wealth of information on how to do things, from concept through equipment acquisition.

# 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.

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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