

Wax Based Emulsifiers For Use In Emulsions To Impart Water

More than 7000 trade name products and more than 2500 generic chemicals that can be used in formulations to meet environmental concerns and government regulations. This reference is designed to serve as an essential tool in the strategic decision-making process of chemical selection when focusing on human and environmental safety factors. Industries Covered: Adhesives ? Refrigerants ? Water Treatment ? Plastics ? Rubber ? Surfactants ? Paints & Coatings ? Food ? PharmaceuticalsCosmetics ? Petroleum Processing ? Metal Treatment ? TextilesThe chemicals and materials included are used in every aspect of the chemical industry. The reference is organized so that the reader can access the information based on the trade name, chemical components, functions and application areas, 'green' attributes, manufacturer, CAS number, and EINECS/ELINCS number.It contains a unique cross-reference that groups the trade name chemicals by one or more of these green chemical attributes: Biodegradable ? Environmentally Safe ? Environmentally Friendly ? Halogen-Free ? HAP's-Free ? Low Global WarmingLow Ozone-Depleting ? Nonozone-Depleting ? Low Vapor Pressure ? Noncarcinogenic ? Non-CFC ? Non-HCFCNonhazardous ? Nontoxic ? Recyclable ? SARA-Nonreportable ? SNAP (Significant New Alternative Policy) CompliantVOC-Compliant ? Low-VOC ? VOC-Free Recent agricultural, food, and pharmaceutical research focuses attention on the development of delivery systems that can encapsulate, protect, and deliver natural compounds. Nanoemulsions are recognized as the best delivery systems for natural-origin nutraceuticals and phytochemicals, having many agri-food applications. Bio-based Nanoemulsions for Agri-Food Applications provides information on food-grade nanoemulsions and their application in agriculture and the food industry. This book covers concepts, techniques, current advances, and challenges in the formulation of the application of emerging food grade nanoemulsions. Particular attention is placed on food-grade nanoemulsion production methods and components used, such as plant/microbial products, biosurfactants, cosurfactants, emulsifiers, ligand targets, and bioactive/functional ingredients. This is an important reference source for materials scientists, engineers and food scientists who are looking to understand how nanoemulsions are being used in the agri-food sector. Provides an overview of a range of bio-based nanoemulsions used in the agrifood sector Explores how nanotechnology improves the properties of bio-based emulsions Assesses the major challenges of manufacturing nanoemulsions at an industrial scale

If treated and nourished properly your skin will be healthy and glowing, making you feel good and look great. This book will guide you through creating your own personal range of skin care applications, tailored to your particular skin type - or any body else's. The products made use natural ingredients where possible, and throughout the book you will find details of the purpose and benefits of the ingredients used. You will also learn about ingredients that can be substituted so that you can adapt the recipes to suit your or others' needs. In this book you will discover how to: - Choose essential oils that are useful for treating different skin conditions - Design and create a range of products including a cleanser, toner, face mask and moisturising cream - Identify the ingredients that are beneficial in hand-made skin care products - Make informed choices on which ingredients are most appropriate for different skin conditions - Make tinctures and infusions to use in your products - Store your products to ensure that they are fresh and safe to use Contents: Introduction; 1. Sensible Healthy and Safety; 2. Tools of the Trade; 3. Why Is Your Skin So Important; 4. Caring for Your Skin; 5. Cosmetic Ingredients; 6. Making Facial Products: Routines & Recipes; 7. Making Tinctures & Infusions; 8. Treatments for Troubled Skin; 9. Emulsions, Antioxidants & Preserves; 10. Commerical Skincare Products; Resources; Index.

Grade Level: 5-12 Reading Level: 3-4 Help your students get started on the road to a life-long pattern of healthy living. This book provides an excellent opportunity to teach good grooming habits while also improving reading skills. The highly-informative content is presented in a simple and appealing format. Comprehension is tested and reinforced through questions, summarizing, and using charts and graphs. Fun activities include crossword puzzles and word searches. A glossary provides a handy reference to all the essential words used in the book. Relevant, high-interest activities follow each reading selection and challenge students to: read for details, make inferences, find the main idea, find facts, summarize data, build vocabulary, draw conclusions, restate information, and make decisions.

Biopolymer-Based Formulations

Practical Pharmaceutics

Soap, Cosmetics, Chemical Specialties

A Directory of Surface Active Agents Available in Europe

Prepper's Natural Medicine

An International Guideline for the Preparation, Care and Use of Medicinal Products

Enrobed and filled confectionery and bakery products, such as praline-style chocolates, confectionery bars and chocolate-coated biscuits and ice-creams, are popular with consumers. The coating and filling can negatively affect product quality and shelf-life, but with the correct product design and manufacturing technology, the characteristics of the end-product can be much improved. This book provides a comprehensive overview of quality issues affecting enrobed and filled products and strategies to enhance product quality. Part one reviews the formulation of coatings and fillings, with chapters on key topics such as chocolate manufacture, confectionery fats, compound coatings and fat and sugar-based fillings. Product design issues, such as oil, moisture and ethanol migration and chocolate and filling rheology are the focus of Part two. Shelf-life prediction and testing are also discussed. Part three then covers the latest ingredient preparation and manufacturing technology for optimum product quality. Chapters examine tempering, enrobing, chocolate panning, production of chocolate shells and deposition technology. With its experienced team of authors, Science and technology of enrobed and filled chocolate, confectionery and bakery products is an essential purchase for professionals in the chocolate, confectionery and bakery industries. Provides a comprehensive review of quality issues affecting enrobed and filled products Reviews the formulation of coatings and fillings, addressing confectionery fats, compound coatings and sugar based fillings Focuses on product design issues such as oil, moisture and chocolate filling rheology

Over 100 recipes to transform this miracle ingredient into environmentally friendly household cleaner, personal care products,

candles, and more. Making all kinds of amazing, all-natural stuff out of beeswax is easy and fun. Packed with over 100 step-by-step recipes, The Beeswax Workshop shows you how to make beautiful gifts, household cleaners, beauty supplies and so, so much more. Projects in this book include: HOME • Mason Jar Candle • English Furniture Polish HEALTH • Bug-Be-Gone Insect Repellent • Chamomile Sunburn Salve BEAUTY • Everyday Body Butter • Rose Lip Gloss GARDEN • Waterproof Shade Hat • Nontoxic Wood Sealant Whether you use beeswax from your backyard hive or purchase a supply, this book offers tips, tricks and techniques for getting the most out of this miracle ingredient.

This Springer Brief gives an overview of recent research conducted in the area of oil structuring starting with a detailed introduction on oleogelation and properties of food-approved building blocks followed by the discussion of some illustrative examples to explain the processing steps required for creating oleogels, advanced characterization (rheological, thermal and microstructural) and some potential edible applications of oleogels. The book concludes with a section summarizing the general guidelines on the properties of oleogels and practically of approach with regards to the specific category of building blocks used for structuring. The text also lists some unresolved challenges that need to be addressed in order to fully exploit oleogelation for future food product development. The functional application of liquid oils in food product development is mostly accomplished by structuring them into soft, plastic-like materials. This structuring of oil is traditionally based on the fat crystal network formed by high melting triacylglycerol (TAG) molecules that are rich in trans and/or saturated fatty acids. Currently, due to the factors such as the requirement for trans- and saturated fat-free food products, sustainable manufacturing and ethical trade practices, the research in the area of identifying alternative routes to oil structuring (in the absence of trans and saturated fats) has been regarded as a 'hot topic' in the bio-scientific community. Oleogelation (gelling of liquid oil in absence of crystallizable TAGs) is one such alternative, which has recently attracted tremendous attention from researchers and industrial scientists working in the domain of food product development. The possibility of creating structured gels that contain a large amount of liquid oil (usually above 90 wt%) opens up many possibilities to develop food products with better nutritional profiles.

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. Being the intense knowledge driven industry, it offers innumerable business opportunities for the investors/ corporate the world over. The existence of well defined and strong pharmaceutical industry is important for promoting and sustaining research and developmental efforts and initiatives in an economy as well as making available the quality medicines to all at affordable prices. That is, it is essential to improve the health status of the individuals as well as the society as a whole, so that positive contributions could be made to the economic growth and regional development of a country. On the global platform, India holds fourth position in terms of volume and thirteenth position in terms of value of production in pharmaceuticals. The pharmaceutical industry has been producing bulk drugs belonging to all major therapeutic groups requiring complicated manufacturing processes as well as a wide range of pharmaceutical machinery and equipments. The modern Indian Pharmaceutical Industry is recent and its foundation was laid in the beginning of the current century. The pharmaceutical industry can be broadly categorised as bulk drugs, formulations, IV fluids and pharmaceutical aids (such as medical equipment, hospital disposables, capsules, etc.). Special feature of the pharmaceutical industry is a large number of manufacturers in the small scale sector. The government is also encouraging the SSI sector providing some incentives. The recent developments in the technology and R & D work in this field have led to the increased growth rate of industries and have established Indian Pharmaceutical industries in the international market. The content of the book includes information about properties, general methods of analysis, methods of manufacture, of different types of drugs and pharmaceuticals. Some of the fundamentals of the book are polymeric materials used in drug delivery systems, theoretical aspects of friction and lubrication, a convenient method for conversion of quinine to quinidine, formulation and evaluation of bio-available enteric-coated erythromycin and metronidazole tablets, extraction of virginiamycin, antipyretics and analgesics, column chromatographic assay of aspirin tablets, differentiating titration of phenacetin and caffeine, infrared spectra of some compounds of pharmaceutical interest etc. This book covers an intensive study on manufacturing, production, formulation and quality control of drugs and pharmaceuticals with technology involved in it. This book is an invaluable resource for technologists, professionals and those who want to venture in this field.

200 Tips, Techniques, and Recipes for Natural Beauty

How to Make Your Own Natural Candles, Cosmetics, Cleaners, Soaps, Healing Balms and More

The Beeswax Workshop

First Edition

How to Create a Range of Nourishing and Hydrating Skin Care Products

A Practical Guide for Making Homemade Body Butter and Beauty Products Using Special Organic Recipes

Organized on a product category basis, this volume provides an up-to-date review of the cosmetics and toiletries industry in a readily digestible form. Authors discuss the rationale of raw materials selection, the formulation and development of products that meet the demands of an international market place, product performances, and safety and quality aspects.

Ever think of making your own beauty products -- handmade, high performance, healthy alternatives to just about every chemical laden product you currently put on your face and body? It's easier than you think! In Make It Up author Marie Rayma shares the recipes she has developed through years of trial, error, and testing to come up with the very best. This is real makeup and skincare: bright lipsticks, quality mineral powders, long-wearing eyeliners, and masks and cleansers that yield results. Rayma walks you through natural ingredients available online or at health food stores. These awesome oils, butters, clays, and minerals will replace the petroleum products, artificial colors, and lab-created mystery fragrances that have untold effects on our bodies. Products can be tailored for individual needs -- from swapping out ingredients not suitable for sensitive skin to whipping up the perfect colors suited for any complexion. With easy-to-follow instruction, Make It Up provides more than 40 essential cosmetics and skin care projects so you can make just what you want, when you need it.

MACH I, Inc. developed three polyvinylpyrrolidones (Ganex resins) that are effective emulsifiers for microcrystalline or selected substitute desensitizing waxes in AFX-644 TNT melt cast bomb explosive. Ganex resins also are excellent dispersants for TNT melt casting and PBX in which they provide important benefits: wetting, coating, dispersion, lubrication, thinning, void filling, desensitization, and increased production rate. Ganex resins are expected to be effective emulsifiers and dispersants with microcrystalline desensitizing waxes or the recommended substitutes in any melt cast system such as Compositions B, HBX-1, D-2, and H-6. Furthermore, by reducing viscosity Ganex resins are expected to facilitate processing of PBX compositions such as AFX-931 in batch mixers as well as continuous mixers (e.g., twin-screw extruders). The Ganex surfactants appear promising for use in most munitions mixing processes for production of: ammunition, bombs, missiles, projectiles, demolition charges and special purpose devices. MACH I, Inc. also developed promising polar wax substitutes, having different desensitizing mechanisms, to enhance the benefits cited above. These substitutes offer greater formulation flexibility than conventional waxes to mitigate possible fuzing insensitivity or loss of explosive power. In contrast to conventional desensitizing wax, they are easier to emulsify and are dependably available in ample quantity and consistent quality. (jg).

Existing surfactants directories tend to focus on product identification by tradename, producer or chemical type, enabling the user only to identify product equivalents and surfactant suppliers. Application information, where available, is usually scant or given as a footnote. This new directory approaches the identification of surfactants primarily from the applications standpoint. Hence the formulator or end-user can readily assess the products available for use in a particular industry sector and select materials giving the required surface active properties. For example, a formulator of agrochemicals for crop protection can turn to the section which refers to surfactants for use in the agrochemical industry and then easily identify a wetter/dispersant system for the production of water dispersible granules. Information is presented in an alternative format in the second part of the directory, which will help the user to identify swiftly products for a particular application by surface active properties. It is difficult, if not impossible, to identify an industry which does not directly or indirectly utilise surfactants. Therefore it has proved necessary to simplify industry classifications to encompass a variety of uses under broader sector titles. The industry classifications adopted here have been used in many previous publications and papers, and define as accurately as possible the major industries and applications serviced by the surfactant industry. The editors have been particularly pleased with the support and response of the industry in the supply of data.

Products and Procedures

Make It Up

Proceedings

Make Your Own Skin Care Products

McCutcheon's Emulsifiers & Detergents

Surfactants Applications Directory

Did you ever think about how to make homemade Body Butter? Homemade Body Butter is a book designed to guide the readers on how to make Homemade Body Butter recipes. The book is a beginner's guide to making homemade body butter and other homemade beauty recipes. Homemade Body Butter offers an insightful view into the nature of the human skin and how to care for the body. In this book, you will learn how to make the following homemade beauty products: Body butter and oils (Body Butter Bars, Healing Comfrey Salve, Gardener's Herbal Balm, Whipped Shea Body Butter, Lovely Body Butter, Luxurious Body Oil, Sore Muscle Massage Oil, Warm Cinnamon Massage Oil, Cuticle Saver Treatment, etc). Body bath recipes (Coconut, Lime, and Rose Petals Bath, Mermaid Bath, Sunshine C Bath, Bath Melts, Moisturizing Bath Salts, Bath Fizzies, Angel Soak for Cold and Flu, Chamomile and Oat Super Soothe-Me Bath). Facial products recipes (Macadamia & jojoba cleansing oil, Lavender & witch hazel skin freshener, Neroli hydrating spritzer, Regenerating skin serum, Green clay cleansing mask, Moisturizing vitamin mask, etc) Whole body spa (Coconut Rice Conditioning Exfoliant, Vanilla Isle Perfume, Blushing Bride Ubtan Exfoliant, Fizzy Mojito Foot Spa, etc). Hair beauty recipes Eye beauty recipes Lip beauty recipes Face beauty recipes Décolletage/neck beauty recipes Hand beauty recipes Feet beauty recipes Both adults and teens can enjoy the beauty this book offers. Homemade Body Butter is one of the best beauty books you can see out there online. It is well packed with numerous homemade beauty products to best serve the need of those seeking resplendent skin and whole body spark.

A step-by-step guidebook that shows you how to make your own skin creams, hair products, and perfume blends using essential oils and other natural ingredients. Many of today's beauty products contain chemicals and oer additives that most of us have never heard of--and probably would avoid if we knew how harmful they really were. With 200 Tips, Techniques, and Recipes for Natural Beauty, you'll learn all that you need to know to make your own safe and healthy beauty products, with recipes and formulas such as: Lemon Verbena Cleansing Milk Exquisite Bulgarian Rose Hair Powder Peppermint Cocoa Lip Balm Herbal Rosemary & Mint Shampoo Brilliant Blueberry & Manuka Honey Face Scrub Skin-Soothing Bath Tea Peppermint and Tea Tree Leave-In Conditioner Create delightful body butters, salves, balms, glosses, scrubs and more using all-natural, holistic ingredients like herbs, flowers, tea, baking soda, and coconut oil. Discover conditioning carrier oils, sumptuous butters, and aromatic floral extracts that will nourish you from head to toe. Some of the recipes can also be used for overall health, including curative herbal extracts and therapeutically effective essential oils. With step-by-step photographs, clear instructions, and expert tips, each recipe is easy to follow. Give the products you create as gifts or keep them for yourself. Regardless, you'll never want to buy beauty products from the drug store again!

Annotation A directory of surface active agents available in Europe. This edition is the fifth in a series, though only the third under the name Surfactants Europa (the previous two being published in 1982 and 1989). As in previous editions, listing is by over 40 surfactant classes together with an appreciable number of products of unspecified constitution. Properties of a product of a particular class and its trade name can be easily identified, along with address details of companies marketing it throughout Europe. Annotation c. by Book News, Inc., Portland, Or.

Maintenance Chemical Specialties

Techniques and Recipes for Beautiful Handcrafted Soaps, Lotions, and Balms

Polyvinyls—Advances in Research and Application: 2013 Edition

An International Guide to More Than 16000 Products by Tradename, Application, Composition and Manufacturer

35 step-by-step projects for homemade beauty

Biomedical and Food Applications

Annual Meeting, Including Committee Reports

This book contains essential knowledge on the preparation, control, logistics, dispensing and use of medicines. It features chapters written by experienced pharmacists working in hospitals and academia throughout Europe, complete with practical examples as well as information on current EU-legislation. From prescription to production, from usage instructions to procurement and the impact of medicines on the environment, the book provides step-by-step coverage that will help a wide range of readers. It offers product knowledge for all pharmacists working directly with patients and it will enable them to make the appropriate medicine available, to store medicines properly, to adapt medicines if necessary and to dispense medicines with the appropriate information to inform patients and caregivers about product care and how to maintain their quality. This basic knowledge will also be of help to industrial pharmacists to remind and focus them on the application of the medicines manufactured. The basic and practical knowledge on the design, preparation and quality management of medicines can directly be applied by the pharmacists whose main duty is production in community and hospital pharmacies and industries. Undergraduate as well as graduate pharmacy students will find knowledge and backgrounds in a fully coherent way and fully supported with examples.

Wax and polishes are used for many purposes. Wax has their principal use in waterproofing; they are mainly consumed industrially as components of complex formulations, often for coatings. Waxes confer matting effects and wear resistance to paints. Although most natural waxes are esters, paraffin waxes are hydrocarbons, mixtures of alkanes usually in a homologous series of chain lengths. These materials represent a significant fraction of petroleum. They are refined by vacuum distillation. The degree of branching has an important influence on the properties. Millions of tons of paraffin waxes are produced annually. They are used in adhesives, in foods (such as chewing gum and cheese wrapping), in cosmetics, and as coatings. Paraffin wax is typical of the agents that are coated on a film or sheet, one that really melt. Waxed paper, still the most widely used heat sealing material, was the earliest product to bring the advantages of heat sealing to packaging. Paraffin wax is mostly found as a white, odorless, tasteless, waxy solid, with an average melting point. The FT waxes are purely synthetic polymers of carbon monoxide and hydrogen which can be best be described chemically as mineral waxes. Duroxons of the B group also serve as additives in the manufacture of lubricating greases for the purpose of raising their dropping point and improving the consistency. There are various types of mineral waxes; lignite wax, montan wax, durmont wax, ozocerite wax, utah wax, peat wax etc. Utah waxes are successfully utilized in dance floor wax, linoleum wax, shoe polish etc. Some other important uses of waxes are in candles, polishes, electrical insulation, coatings and carbon paper. There are various types of polishes having industrial and domestic applications; abrasive polish, aluminium polish, motor car polishes, cellulose friction polishes, furniture polishes, leather belt polishes, pine oil metal polish etc. For many years, petroleum wax was considered a byproduct of lubricant base stock production, it has come onto its own over the last decade and is considered by most refiners to be a relatively high margin product and is often an important contributor to the overall profitability of the refinery. Pure paraffin wax is an excellent electrical insulator. There are many refineries in India which have with fuel, lube, wax and petrochemical feed stocks production facilities. Mineral waxes (including petroleum) account for an estimated 85% of this global demand, with synthetic waxes accounting for 10% and animal and vegetable waxes, accounting for 5%. Wax consumption is expected to grow at an average annual growth rate of 1% in this decade. Clearly, different regions and different product applications will enjoy different growth rates. This book basically deals with microcrystalline waxes in floor polishes, properties of braxilian grades of carnauba wax, compatibility of paraffin waxes with other substances, synthetic mineral waxes, miscellaneous synthetic waxes, additives for raising melting point of candles, wax coating for fruits, shrubs, and plants, effect of paraffin on esparto montan mixtures, water proofing of kraft papers, production of montan wax, polish, abrasives, metal cleaners, nickel silver castings, cleaning, polishing metals for metallographic analysis, paste for wax calf leather, burnishing polishes for automobile maintenance, etc. The purpose of this book is to present comprehensive information of different types of wax and polishes like their processing, properties and uses. This book is very useful for new entrepreneurs, technocrats, professionals and researchers.

Contents - Foreword - I. Polymer-Based Floor Finishes - Formulation Guidelines for Improving Floor Finishes - Detergent-Resistant Polishes - Clear Floor Finishes - II. Wax-Based Floor Polishes - Guidelines to Formulation Improvement of Floor Waxes - Metal-Containing Floor Waxes - Paste Floor Polishes - Solvent Systems - Water-Emulsion Systems - Other Specialty Paste Products - III. Floor Sealers - Aqueous Floor Sealers - Solvent-Based Sealers - IV. Wax Emulsification - Emulsification Techniques - Wax Emulsifiers - Nonionic Emulsifiers - Use of the HLB System - V. Floor Polish Evaluation - Evaluation Rationals and Programs - Test Methods - Performance Tests - Chemical-Physical Property Tests - Control of Consumer Use Testing - VI. Maintenance Of Resilient Floorings - Mutual Effects of Flooring and Polishes Upon Performance-Appearance - General Composition

Resilient Floorings - Spray-Buffer Finishes and Maintenance - Buffability - VII. Specialty Polish Products - Furniture Polish - Shoe Polishes - Metal Polishes - Automobile Cleaner-Polishes - Aerosol Waxes and Polishes - VIII. The Product Development Chemist - IX. Applications For Waxes - Widespread Use of Applications for Waxes - Wax-Based Cosmetics - X. Origins Of Waxes - Vegetable Waxes - Insect, Animal and Mineral Waxes - Petroleum Wax - XI. Chemical Specialty Cleaning Products - Carpet Shampoos - Floor Polish Removers - Germicidal Cleaners -

Packed with pampering recipes to create your own beauty essentials for face, body, and hair. Most of us use a huge variety of beauty products on our skin and hair every day - from shower gel and shampoo to moisturizer and hand cream - but the majority of these products contain a variety of chemicals. In Natural Beauty, natural skincare and fragrance expert Karen Gilbert shows you how to make your own lotions and potions at home, using readily available, natural ingredients and easy-to-follow methods. For the face, there are moisturizers, masks and cleansers; for the body choose from scrubs and shower gels, soaps and body lotions. And when you need some extra-special pampering, try the recipes for lip balms, massage bars, bath oils and eye gels. So try your hand at making a neroli hydrating spritz or a macadamia and jojoba moisturizer, a mango and lime body butter or lemon and tea tree foot balm, bergamot and grapefruit wake-up wash or cocoa butter lip balm - the hardest part is choosing which of the pampering projects to try first! Each recipe has clear step-by-step photographs to guide you, and there are numerous variations to try.

The Complete Book on Emulsifiers with Uses, Formulae and Processes (2nd Revised Edition)

Bibliography of Scientific and Industrial Reports

Handbook of Nanomaterials Properties

Maintenance Chemical Specialties

Handbook of Green Chemicals

Life-Saving Herbs, Essential Oils and Natural Remedies for When There is No Doctor

Polyvinyls—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Polyvinyl Chloride. The editors have built Polyvinyls—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Polyvinyl Chloride in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Polyvinyls—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Learn how to make beautiful, luxurious and kind-to-skin soaps at home to give as gifts, sell, or just keep for yourself! This new book by bestselling soap making author Melinda Coss focuses on natural ingredients and provides a wonderful range of recipes for bar and liquid soaps as well as creams, lotions, and balms. The technique section covers everything you need to know to create these wonderful soaps at home so even a beginner could start making soap in no time, and all of the equipment needed is fully explained. The recipes include fruits soaps, scrub bars, skin creams and flower waters, and there is even a section on special effects for a real treat. With such a wide choice of design, colour, and scent, there's bound to be something here for everyone. Melinda also includes an invaluable section on running a soap making business, giving essential advice for anyone looking to profit from their newfound skills.

Biopolymer-Based Formulations: Biomedical and Food Applications presents the latest advances in the synthesis and characterization of advanced biopolymeric formulations and their state-of-the-art applications across biomedicine and food science. Sections cover the fundamentals, applications, future trends, environmental, ethical and medical considerations, and biopolymeric architectures that are organized in nano, micro and macro scales. The final section of the book focuses on novel applications and recent developments. This book is an essential resource for researchers, scientists and advanced students in biopolymer science, polymer science, polymer chemistry, polymer composites, plastics engineering, biomaterials, materials science, biomedical engineering, and more. It will also be of interest to R&D professionals, scientists and engineers across the plastics, food, biomedical and pharmaceutical industries. Provides in-depth coverage of methods for the characterization of the physical properties of biopolymeric architectures Supports a range of novel applications, including scaffolds, implant coatings, drug delivery, and nutraceutical encapsulation systems Includes the use of experimental data and mathematical modeling, thus enabling the reader to analyze and compare the properties of different polymeric gels

Are you sensitive to skin care products? Have you been thinking of transitioning from products that contain synthetic fragrances, colours, and chemicals such as parabens and phthalates? Would you like to make your own products using nourishing, healing carrier oils and essential oils that your skin will love and thank you for? Make your own, save money, create personalized gifts, or start a home-based business. This book has all the information you need for creating your own high quality skin care products, and more. 17 Essential oils and their uses in skin care, and for body, mind and emotions 10 Carrier oils that are beneficial for your skin 7 Hydrosols to use in product formulations and as fresheners 4 Butters to enrich your creams and lotions Emulsifiers and the choice to use or not to use them in your products The non-friendly chemicals that are best avoided Easy to follow recipes for creating face creams, lotions, cleansers, and toners Books and resources for essential oils, carrier oils, containers, and raw materials

Cosmetic Dermatology

Drugs & Pharmaceutical Technology Handbook

Surfactants and Desensitizing Wax Substitutes for TNT-Based Systems

Surfactants Europa

Calculations and Pharmaceutics in Practice

The Complete Technology Book on Wax and Polishes (Reprint)

Emulsifier is an organic compound that encompasses in the same molecule two dissimilar structural groups e.g. water soluble and

a water insoluble moiety. It is the ingredient which binds the water and oil in a cream or lotion together permanently. The composition, solubility properties, location and relative sizes of these dissimilar groups in relation to the overall molecular configuration determine the surface activity of a compound. Emulsifiers are classified on the basis of their hydrophilic or solubilizing groups in to four categories anionic, non ionic, cationics and amphoteric. Emulsifier is utilized in various industries; agriculture, building and construction, elastomers & plastics, food & beverages, industrial cleaning, leather, metals, paper, textiles paints & protective coatings etc. An emulsion is an ideal formulation for the administration. The emulsion form allows uniform application of a small amount of active ingredient on the surface of the skin. Some of the important emulsions in different field are pharmaceutical emulsions, rosin & rubber emulsion, textile emulsions, pesticide emulsions, food emulsions, emulsion in paint industry, emulsion in polish industry, leather & paper treatment emulsions etc. Various cosmetics creams, such as moisturizers, contain emulsifiers. Lighter, less greasy feeling creams are oil in water emulsions; heavier creams used to treat rough skin are water in oil emulsions, with oil as the main ingredient. Liquid soaps, toothpastes and other body care products also contain emulsifiers. Emulsifiers have the ability to optimize the concentration of certain nutrients in an emulsion. For example, in hair conditioners, some conditioning agents can damage hair if not properly diluted in the solution. Emulsifiers are among the most frequently used types of food additives. Emulsifiers can help to make a food appealing. Emulsifiers have a big effect on the structure and texture of many foods. Increasing demand for low fat food among health conscious consumers is gradually driving the market for emulsifiers. Besides stabilizing emulsions, emulsifiers derived from non hydrogenated fats help in maintaining sensory characteristics of food such as texture, flavor, and taste that are often lost due to fat reduction. This characteristic of making healthier products similar in taste to fat containing versions has enabled emulsifiers in gaining widespread acceptance in the market. The global food industry is also witnessing increase in demand for multipurpose emulsifiers that perform functions of both stabilization and emulsification. Some of the fundamentals of the book are characteristics and application of emulsifiers, wetting and detergent structures in emulsifier, effect of surfactant on the properties of solutions, wetting characteristics of emulsifiers, formulated emulsifiers, non surfactant functional additives, inert fillers, functional surfactant additives, uses of emulsifiers, household and personal products, industrial uses of emulsifier, anionic surfactants, non ionic surfactants, cationic, amphoteric and enzyme, alkylolamides, vinylarene polymers, alkyl sulfates, ethoxylation processes, application of emulsifiers, etc. The present book contains manufacturing processes of various types of emulsifiers which have applications in different industries. This is a resourceful book for scientists, technologists, entrepreneurs and ingredients suppliers. TAGS applications of emulsifier, Book on emulsifier, emulsifier Based Small Scale Industries, emulsifier examples, emulsifier in food, Emulsifier Processing Industry in India, emulsifiers list, Emulsifiers with Uses, Formulae and Processes, Emulsion - Uses of Emulsions, Emulsion Surface Area, Emulsions in Polish Industry, Food Emulsifier Applications, Food Emulsifiers and Their Applications, formulation and stability of emulsions with polymeric emulsifiers, Formulation of emulsifiers, Formulation of Emulsion Paints manufacturing process, Formulation of Textile emulsions manufacturing process, function of emulsifier in cosmetics, function of emulsifier in food, how to manufacture emulsifiers, How to start an emulsifier Production Business, How to Start Emulsifier Processing Industry in India, Industrial Applications of Emulsion Technology, Industrial Uses of Emulsifier, Leather and Paper Treatment Emulsions manufacturing process, Manufacturing process of emulsifier, Most Profitable emulsifier Processing Business Ideas, Nature and use of emulsifiers in foods, new small scale ideas in emulsifier processing industry, pharmaceutical application of emulsion, Procedure for Emulsification of Oil in Water Using Surfactants, Process of Polish Emulsions, Process technology book on emulsifier, role of emulsifier in emulsion, role of surfactant in emulsion, Starting an emulsifier Processing Business, types of food emulsifiers, Uses of emulsifiers, What is an Emulsifier?

Prof. Ashok Patel of Guangdong Technion-Israel Institute of Technology (GTIIT), who served as a Topic Editor for this Research Topic, sadly passed away on Sunday 17th May 2020. We want to acknowledge the important role he played in developing this Research Topic.

In the Third Edition of *Cosmetic Dermatology: Products and Procedures*, accomplished dermatologist Dr. Zoe Diana Draelos delivers the latest information on procedural innovations in the rapidly developing field of cosmetic dermatology. This new edition is structured to follow the typical patient's cosmetic routing, from everyday moisturizing to adornment and anti-aging techniques. It includes summary boxes at the start of each section to allow for quick reference in a clinical setting, over 300 full-color images illustrate procedures, and demonstrates the benefits of cosmetic products and techniques. *Cosmetic Dermatology* combines the expertise of leaders in research, industry, surgery, and practice to introduce cutting edge concepts and outline the best techniques in the cosmetic field.. It addresses appearance issues affecting the skin, hair, and nails. The new edition offers a complete cosmetic regimen for the patients of any cosmetic dermatologist, whether hospital-based or in private practice. It also provides: A thorough introduction to basic concepts in dermatology, including skin physiology pertinent to cosmetic dermatology and the delivery of cosmetic actives A comprehensive exploration of skin hygiene products, including cleansers, moisturizers, and personal care products Practical discussions of adornments, including colored facial cosmetics, eye cosmetics, camouflaging products, nail cosmetics, and hair cosmetics In-depth examinations of anti-aging products and procedures, including cosmeceuticals, injectable anti-aging techniques, resurfacing techniques, and skin modulation techniques *Cosmetic Dermatology* is perfect for practicing and academic dermatologists, trainee dermatologists, dermatology nurses, and skin care industry researchers It will also earn a place in the libraries of gynecologists, medical aestheticians, family practitioners, and plastic surgeons.

This new book is derived from its parent volume *Pharmacy Practice* and is a succinct, focused guide to pharmaceutical preparations and calculations. Covering everything from calculations to routes of administration dosage forms, it provides pharmacy students with everything they need to know about the maths and methodologies essential to good exam preparation and the safe, effective practice of pharmacy. Each chapter begins with Study Points and ends with Key Points to reinforce learning. Appendices include medical abbreviations, Latin terms and abbreviations, systems of weights and measurements and presentation skills. Some chapters also carry self-assessment questions for more complex areas of pharmaceutical practice.

Chemical Tradename Dictionary

Edible Oil Structuring

How to start an emulsifier Production Business, How to Start Emulsifier Processing Industry in India, Industrial Applications of Emulsion Technology, Industrial Uses of Emulsifier, Leather and Paper Treatment Emulsions manufacturing process, Manufacturing process of emulsifier, Most Profitable emulsifier Processing Business Ideas, Nature and use of emulsifiers in foods, new small scale ideas in emulsifier processing industry

The Essential Guide to DIY Makeup and Skin Care

Alternative Routes to Oil Structuring

Bio-Based Nanoemulsions for Agri-Food Applications

This comprehensive guide features holistic medicines, salves, and ointments for treating a broad range of ailments and injuries during a crisis. When disaster strikes and you lose all access to doctors, hospitals and pharmacies, natural medicine will be your family's best hope for survival. With easy-to-read herbal charts, a breakdown of essential oils, tips for stockpiling natural medicines and step-by-step instructions for creating your own elixirs, salves and more, this book offers everything you need to keep you and your loved ones safe. Prepper's Natural Medicine is the definitive guide to creating powerful home remedies for any health situation, including: •Herbal Salve for Infections •Poultice for Broken Bones •Natural Ointment for Poison Ivy •Infused Honey for Burns •Essential Oil for Migraines •Soothing Tea for Allergies •Nutritional Syrup for Flu

Nanomaterials attract tremendous attention in recent researches. Although extensive research has been done in this field it still lacks a comprehensive reference work that presents data on properties of different Nanomaterials. This Handbook of Nanomaterials Properties will be the first single reference work that brings together the various properties with wide breadth and scope.

A textbook which is both comprehensive and comprehensible and that offers easy but scientifically sound reading to both students and professionals Now in its 12th edition in its native German, Voigt's Pharmaceutical Technology is an interdisciplinary textbook covering the fundamental principles of pharmaceutical technology. Available for the first time in English, this edition is produced in full colour throughout, with a concise, clear structure developed after consultation with students, instructors and researchers. This book: Features clear chapter layouts and easily digestible content Presents novel trends, devices and processes Discusses classical and modern manufacturing processes Covers all formulation principles including tablets, ointments, capsules, nanosystems and biopharmaceutics Takes account of legal requirements for both qualitative and quantitative composition Addresses quality assurance considerations Uniquely relates contrasting international pharmacopeia from EU, US and Japan to formulation principles Includes examples and text boxes for quicker data assimilation Written for both students studying pharmacy and industry professionals in the field as well as toxicologists, biochemists, medical lab technicians, Voigt's Pharmaceutical Technology is the essential resource for understanding the various aspects of pharmaceutical technology.

The physical properties associated with the saturated and trans fats obtained through partial hydrogenation of vegetable oils (PHVOs) provide the solid fat content, melting and textural properties that consumers require in food products like butter, margarines, vegetable creams, spreads, and confectionary fats. However, saturated and trans fats increase low density lipoprotein, while trans fats also lower high-density lipoprotein serum levels. These indicators increase the risk of developing cardiovascular disease, type II diabetes, stroke, and have recently been associated with metabolic syndrome. Consequently, regulatory agencies worldwide have passed legislation restricting the addition of PHVOs and their derivatives (i.e., shortenings) to food products. This has lead research groups worldwide to investigate different mechanisms to provide structural and physical properties to edible, healthy unsaturated oils. The overall objective is to achieve similar functional properties to those provided by PHVOs and shortenings to food products. This book encompasses the work of leading researchers discussing, from a scientific and technological perspective, the latest and most innovative approaches to structure edible oils without the use of trans fats. Additionally, the authors discuss practical uses and technical limitations associated with the use of "structured edible oils" in different food systems. Appealing to researchers and professionals working in lipid science, food chemistry and fat metabolism, it fills the gap in the literature for a book in this fast-changing field.

Homemade Body Butter

Handbook of Industrial Surfactants

Converting to an Eco-Friendly Home

Voigt's Pharmaceutical Technology

Natural Beauty

Structured Edible Oil: Towards a New Generation of Fat Mimetics

This key reference will serve as the most comprehensive source for identifying and locating products in the international chemical marketplace. It has been written for the chemists, materials scientists, end-product formulators, industrial application specialists and scientists working in associated fields.

Driven both by real industrial needs and curiosity for fundamental research, edible oil structuring has emerged as a subject of growing interest with applications in real food systems. With contributions from leading research groups around the world, this book provides a comprehensive and concise overview of the field with special emphasis on the updates from the last 5 years. New insights into the mechanism of gelation in mono- and multicomponent gels are discussed for several categories of previously known structuring agents along with the potential food applications of some of these systems. In addition, use of alternative methods to explore structuring properties of hydrophilic biopolymers are presented with illustrative examples. Some new concepts such as bio-based synthesis of supergelators, foamed oleogels and use of innovative dispersion techniques give a broader picture of the current research in edible oil structuring. This book will be of interest to students, academics and scientists involved in the research of edible oil structuring. It will be an important reference as it provides current information on the state-of-the-art of the field. Originally published in 1993, over 16,000 tradename surface-active agents for industrial applications, manufactured worldwide, are contained in this edition. General-use surfactants, such as emulsifiers, wetting agents, foaming agents, detergents, dispersants, and solubilizers are included, as well as detergent raw materials, defoamers, and antifoaming agents. The types and quantities of surfactants available commercially are numerous and the difficulty in making choices between products may become overwhelming. It is the purpose of this book to guide those who are involved in the selection of these materials through the process of identifying, classifying, and selecting the most appropriate products for their requirements. Therefore, this reference is organized so that the user can search for and locate products based

on a variety of essential distinguishing attributes.

Personal Care Series: Grooming

Skin-Friendly Skin Care

Science and Technology of Enrobed and Filled Chocolate, Confectionery and Bakery Products

Chemistry and Technology of the Cosmetics and Toiletries Industry

Make Your Own Cleansers, Moisturizers, And Toners