

Current Problems in Dermatology

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Vol. 36

# Safety Assessment of Cosmetics in Europe

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**V. Rogiers**

**M. Pauwels**



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**Safety Assessment Of Cosmetics In Europe Current  
Problems In Dermatology Current Problems In  
Dermatology Vol 36**

**William Waggoner**



## **Safety Assessment Of Cosmetics In Europe Current Problems In Dermatology Current Problems In Dermatology Vol 36:**

**Safety Assessment of Cosmetics in Europe** Vera Rogiers, Marleen Pauwels, 2008 This volume of Current Problems in Dermatology presents the reader with a portrait of the scientific background of the complex process of safety assessment of cosmetics as well as information on European cosmetic legislation A practical approach to the search for toxicity data on cosmetic ingredients and a compilation of the legally required technical dossier of a finished cosmetic product as well as an in depth analysis of the safety assessment of cosmetic ingredients performed at the EU level by the Scientific Committee on Consumer Products SCCP are available The current status of 3R alternatives to animal testing and the extent to which they are implemented by the cosmetic industry and considered by the SCCP in the risk assessment process is discussed As such guidance is provided in relation to the manifold challenges cosmetic safety assessors are faced with in the current EU regulatory setting In this valuable handbook qualified cosmetic safety assessors suppliers of raw materials dermatologists and pharmacists toxicologists as well as EU officials and administrators dealing with cosmetics will find relevant information on the European cosmetic legislation the compilation of cosmetic technical dossiers toxicological database searches and the availability and use of alternative methods in the field of cosmetics

**Product Design and Engineering** Ulrich Bröckel, Willi Meier, Gerhard Wagner, 2013-08-02 Covering the whole value chain from product requirements and properties via process technologies and equipment to real world applications this reference represents a comprehensive overview of the topic The editors and majority of the authors are members of the European Federation of Chemical Engineering with backgrounds from academia as well as industry Therefore this multifaceted area is highlighted from different angles essential physico chemical background latest measurement and prediction techniques and numerous applications from cosmetic up to food industry Recommended reading for process pharma and chemical engineers chemists in industry and those working in the pharmaceutical food cosmetics dyes and pigments industries

pH of the Skin: Issues and Challenges Christian, Surber, Christoph, Abels, Howard, Maibach, 2018-08-21 The concept of expressing acidity as the negative logarithm of the hydrogen ion concentration was defined and termed pH in the beginning of the 20th century The general usefulness of the pH concept for life science was recognized and later gained importance to analytical research Reports on results of pH measurements from living skin established the term acid mantle the skin s own protective shield that maintains a naturally acid pH It is invisible to the eye but crucial to the overall wellbeing of skin Chronic alkalization can throw this acid mantle out of balance leading to inflammation dermatitis and atopic skin diseases It is therefore no surprise that skin pH shifts have been observed in various skin pathologies It is also obvious that the pH in topically applied preparations may play an important role Optimal pH and buffer capacity within topical preparations not only support stability of active ingredients and auxiliary materials but may also increase absorption of the non ionized species of an acidic or a basic active ingredient They

may even open up opportunities to modify and correct skin pH and hence accelerate barrier recovery and maintain or enhance barrier integrity Further efforts are needed to standardize and improve pH measurements in biological media or pharmaceutical cosmetic vehicles to increase and ensure quality comparability and relevance of research data In this volume we present a unique collection of papers that address past present and future issues of the pH of healthy and diseased skin It is hoped that this collection will foster future efforts in clinical and experimental skin research

*Safety Assessment of Cosmetics in Europe* V. Rogiers, M. Pauwels, 2008-07 This volume of Current Problems in Dermatology presents the reader with a portrait of the scientific background of the complex process of safety assessment of cosmetics as well as information on European cosmetic legislation A practical approach to the search for toxicity data on cosmetic ingredients and a compilation of the legally required technical dossier of a finished cosmetic product as well as an in depth analysis of the safety assessment of cosmetic ingredients performed at the EU level by the Scientific Committee on Consumer Products SCCP are available The current status of 3R alternatives to animal testing and the extent to which they are implemented by the cosmetic industry and considered by the SCCP in the risk assessment process is discussed As such guidance is provided in relation to the manifold challenges cosmetic safety assessors are faced with in the current EU regulatory setting In this valuable handbook qualified cosmetic safety assessors suppliers of raw materials dermatologists and pharmacists toxicologists as well as EU officials and administrators dealing with cosmetics will find relevant information on the European cosmetic legislation the compilation of cosmetic technical dossiers toxicological database searches and the availability and use of alternative methods in the field of cosmetics

*Subject Guide to Books in Print*, 1997 **Paperbound Books in Print 1995** Reed Reference Publishing, Reference Reed, 1995-12 **Alternative Medicine** Phil B. Fontanarosa, 2000 This volume seeks to offer balanced coverage of a controversial topic alternative medicine Leading authors of the Journal of the American Medical Association JAMA and the Archives Journals provide an assessment of a broad range of topics from the evaluation of treatment modalities to prevalence and use of alternative medicine therapies The book includes overviews and guidance from expert physician specialists science based findings and objective references and perspectives from JAMA and Archives Journals

**Cosmetics** P. Elsner, Hans F. Merk, Howard I. Maibach, 2012-12-06 th Together with the 6 Amendment Council Directive 93/35/EEC to the Cosmetic Directive 76/768/EEC it was the first time that according to Article 7b special claims of efficacy could be legally attributed to cosmetic products but under the obligation to make evidence of the claimed effects also an entirely new controller was introduced the independent safety assessor This indeed means not only progress in reliable and honest marketing arguments but above all transparency as to the respective proof and thus protection of consumer's health Such claims demand high standards in scientifically based methodology and their results in order to prove such demands evidently There are also within the 6 Amendment to the Cosmetic Directive in Article 4a strict restrictions as to the further use of conventional animal testing for cosmetic products and their ingredients and especially

for finished products Without doubt there is a competition between the necessity and expectations on consumer health on the one hand and the requirements of acknowledged protection of animals as done in Council Directive 86 609 EEC on the other But at least based on the present state of knowledge tests in human beings cannot replace animal testing in all instances Not only ethical reasons alone prohibit or impede testing in humans but also very often the lack of knowledge on functional and or biological processes underlying observed effects with the consequence that suitable experimental methodologies are missing

*Cosmetics Legislation: Notes of guidance for testing of cosmetic ingredients for their safety evaluation* European Commission. Enterprise DG. Pharmaceuticals and Cosmetics,2000 In the early 1970 s the Member States of the EU decided to harmonise their national cosmetic regulations in order to enable the free circulation of cosmetic products within the Community As a result of numerous discussions between experts from all Member States Council Directive 76 768 EEC was adopted on 27 July 1976 The principles laid down in the Cosmetics Directive take into account the needs of the consumer while encouraging commercial exchange and eliminating barriers to trade For example if a product is to move freely within the EU the same labelling packaging and safety regulations must apply This is one of the main objectives of the Cosmetics Directive to give clear guidance on what requirements a safe cosmetic product should fulfil in order to freely circulate within the EU without pre market authorisation The Cosmetics Directive aims to guarantee the safety of cosmetic products for human use This safety relates to composition packaging and information and it falls totally under the responsibility of the producer or the importer into the EU who is responsible for the marketing liability There is no pre market control for cosmetic products at Member State or EU level Control of cosmetic products within the EU is assured through the responsibility of the person who places the product on the market a simple notification of manufacturing importing site and an in market surveillance system Volume 3 of The Rules Governing Cosmetic Products in the European Union incorporates the Notes of guidance for testing of cosmetic ingredients for their safety evaluation These guidelines have been prepared at the initiative of and by the Scientific Committee on Cosmetic Products and Non Foodstuff Products intended for Consumers SCCNFP of the European Commission They take into account both the experience gained by the SCCNFP previously Scientific Committee on Cosmetology in its past work in evaluating the toxicological profiles of many cosmetic ingredients as well as the development of scientific knowledge in the field of specific areas of toxicology

Alternative Methodologies for the Safety Evaluation of Chemicals in the Cosmetic Industry Nicola Loprieno,1995-08-01 The international cosmetic industry is a highly self regulated industry that provides quality products with a remarkable absence of toxicity Specific European Union directives raise the need for quality in vitro methods to yet a new level These directives will force new practices for safety evaluation of personal care products throughout the world in just a few years Alternative Methodologies for the Safety Evaluation of Chemicals in the Cosmetic Industry presents a categorization and collection of information available for the evaluation of safety using in vitro techniques It offers a comprehensive and complete look at the entire field In doing so the

author provides the foundation for the next phase of significant growth for this discipline Readers will be able to find information easily throughout the book The author uses outlines and tables to provide details in a ready format He puts his unique expertise and insight to paper and offers a valuable and comprehensive look at the field The book begins with an excellent history of the approach of the European Union Because of Loprieno s intimate knowledge of the subject the reader receives a solid understanding of the developments that resulted in legislation Chapters are filled with important quotes individual methods how various aspects of the field were developed and important crossroads in research The book ends with an in depth look at the Galileo Data Base Alternative Methodologies for the Safety Evaluation of Chemicals in the Cosmetic Industry is extremely useful not only now but also as more advanced and significant developments occur during the next decade It is a must have resource for anyone interested in this field      Global Regulatory Issues for the Cosmetics Industry C.E. Betton,2007-08-11 Global Regulatory Issues for the Cosmetics Industry Volume 1 emerged from the first annual Cosmetic Regulatory Forum organized by Health and Beauty America HBA in September 2006 It is the first of an annual book mini series surveying issues in this critical and rapidly changing area These changes affect the health safety and well being of literally billions of consumers their governments and the corporations involved in the prodigious task of not only creating novel effective and safe products but also complying with regulations that vary from country to country This book begins with a discussion of the risks assessment of cosmetic products This is followed by separate chapters on the regulatory system in some of the major export markets of Canada and Australasia the evolution and purpose of the EU s REACH Registration Evaluation Authorization of Chemicals the issue of cosmetic toxicity and regulatory requirements and warnings for cosmetic products Subsequent chapters cover the challenges of global chemical compliance the development of nanotechnology based products and their potential impact on human health and the environment and the various packaging regulations relating to colors and additives for products marketed in North America the EU and Asia      *Active ingredients used in cosmetics: safety survey* Council of Europe,2008-03-01 Ingredients are used in cosmetics to give them specific properties Certain ingredients so called active ingredients may produce pharmacological or toxic effects under certain conditions Cosmetic products containing such ingredients may pose a health risk both because of their potential toxicity and because they may mask underlying serious diseases and consequently cause a dangerous delay in diagnosis and treatment The objective of this study is to give safety information on certain active ingredients which give raise to toxicological concerns and for which restrictions of use in cosmetics should be considered Monographs were prepared for 45 active ingredients for which no specific regulations exist including inter alia information about uses properties a risk evaluation of the use in cosmetic products considering as toxicological endpoints both systemic and local effects Each monograph includes a bibliography conclusions and recommendations The study complements a series of three volumes containing monographs about the safety of certain natural ingredients used in cosmetics and will serve as a useful reference in the field for health

authorities manufacturers and health professionals in particular Unwanted Effects of Cosmetics and Drugs Used in Dermatology Johan Pieter Nater, Anton C. de Groot, Dhiam H. Liem, 1983

**Clinical Safety and Efficacy Testing of Cosmetics** William Waggoner, 1989-11-27

**Examining the Current State of Cosmetics** United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Health, 2013

Skin Sensitization in Chemical Risk Assessment World Health Organization, International Program on Chemical Safety, 2008

This Harmonization Project Document presents the conclusions of an IPCS Workshop on Skin Sensitization in Chemical Risk Assessment The workshop focused on the question of methods for dose response assessment to evaluate the relative ability of a chemical to induce sensitization in the skin and hence inform risk assessment for humans In addition this publication includes a series of short articles on this topic by leading experts in the field The conclusions of the workshop cover such aspects as the nature and utility for risk assessment of the data produced by non animal test methods such as quantitative structure activity relationships in vitro testing approaches animal test methods and epidemiological studies While traditional animal test methods used for identification and regulation of skin sensitizers have focused on determining whether or not a substance is a sensitizer this report describes the use of tests for deriving more informative potency information This book will be useful to toxicologists researchers regulatory authorities and industry

**In Vitro Methods for Safety Assessment of Cosmetics** Eva Selzer Rasmussen, Michael Strube, Danmark. Miljøstyrelsen, 1995

**Plants in cosmetics - Volume 3** Council of Europe, 2006-09-12

As the third volume of a trilogy on Plants in cosmetics this study concerns potentially harmful components which occur naturally in some plants the ingredients of which could likely be used in cosmetic products Its aim is to raise awareness on the implication on consumer health by use of such ingredients and to trigger preventive measures The 24 data sheets of components selected by the authors because they are not regulated specifically in cosmetic legislation give useful information particularly for the competent authorities and the manufacturers of raw materials and cosmetic products mainly based on currently available pharmaco toxicological data Each monograph includes a bibliography and conclusions recommendations

**The Rules Governing Cosmetic Products in the European Union** European Commission, 2000

Cosmetic Safety Regulations Zalina Zakaria, 2012

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