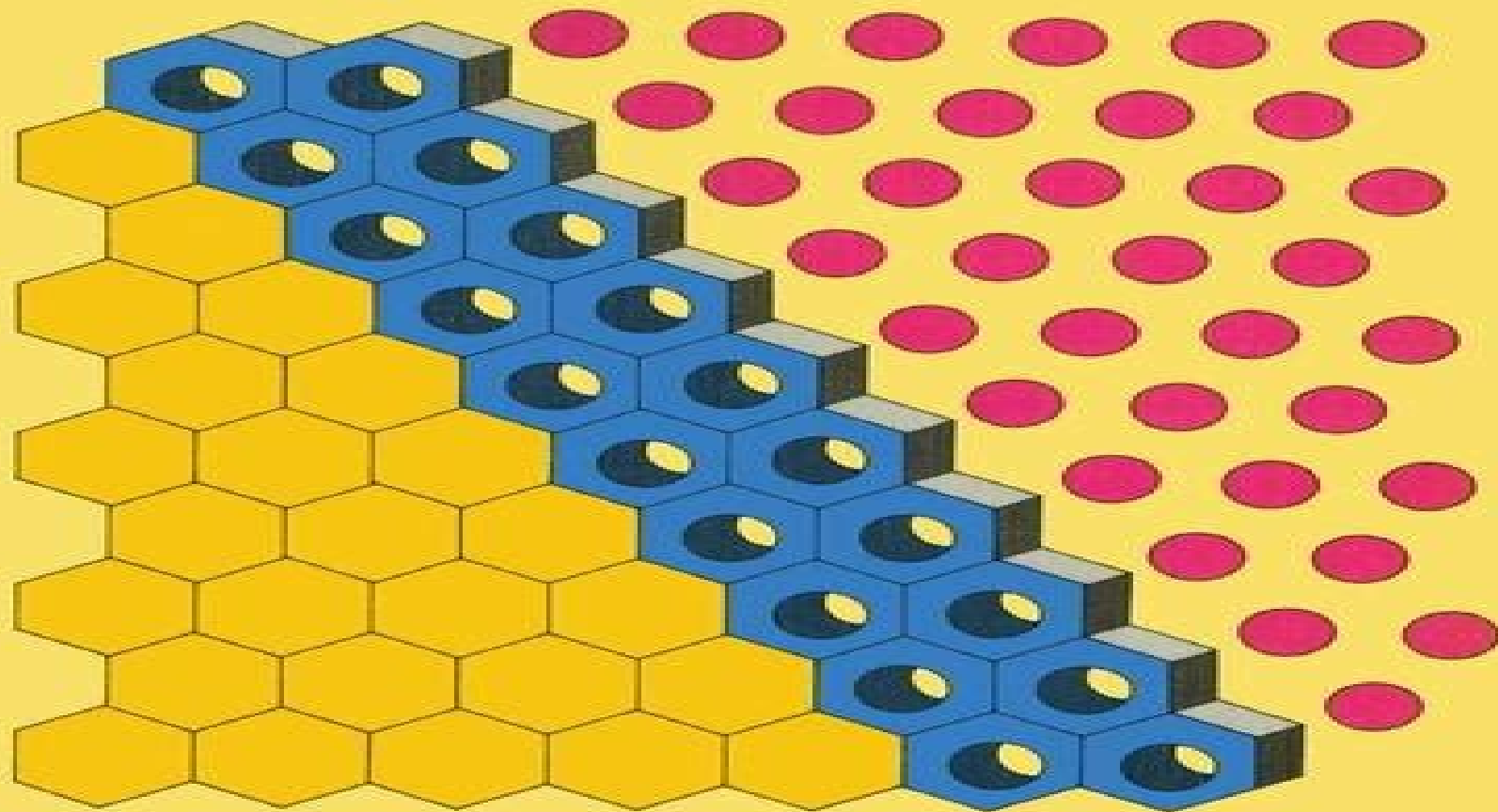


Spectral Atlas of Polycyclic Aromatic Compounds – Vol. 2



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Spectral Atlas Of Polycyclic Aromatic Compounds Including Data On Occurrence And Biological Activity

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Spectral Atlas Of Polycyclic Aromatic Compounds Including Data On Occurrence And Biological Activity:

Spectral Atlas of Polycyclic Aromatic Compounds, 1985-03-31 **Spectral Atlas of Polycyclic Aromatic Compounds** W. Karcher, 2013-06-29 Polycyclic Aromatic Compounds PAC are a broad class of compounds whose wide distribution in the environment results from incomplete combustion processes of fossil fuels in power generator industrial plant and domestic heating from car exhaust gas and from tobacco smoke Many PACs are biologically active and in particular many of the PACs with three or more fused rings are carcinogenic Currently there is concern of the occurrence of these pollutants at ppb ug kg 1 le vel However the predicted 2 to 3% annual increase in the rate of their release into 1 the environment could lead to ppm ug g levels in the next century The move to wards stricter control of these pollutants brings with it the need for accurate monito ring of their environmental occurrence Reliable identification and quantification of these compounds in complex environ mental samples depends greatly on the availability of reference values for their physicochemical and biochemical properties This second volume results from a close collaboration within the General Directorate for Science Research and Development of the Commission of the European Communities between the Joint Research Centre Ispra Establishment the Community Bureau of Reference and expert laboratories of the Member States

Spectral Atlas of Polycyclic Aromatic Compounds Walter Karcher, 1985 **Spectral Atlas of Polycyclic Aromatic Compounds Including Data on Physico-chemical Properties, Occurence and Biological Activity** W. Karcher, Commission of the European Communities, 1988 *Spectral Atlas of Polycyclic Aromatic Compounds Including Data on Physico-chemical Properties, Occurence and Biological Activity* W. Karcher, 1988 **Dibenzanthracenes and Environmental Carcinogenesis**

Walter Karcher, 1992-10-15 A systematic survey of the dibenzanthracenes and of their chemical physiochemical and biological properties this book treats the nomenclature the chemical and physical properties and the synthesis and preparation of the five principal isomers of the dibenzanthracene series dibenz a h dibenz a c dibenz a j anthracene benzo a naphthacene and pentacene Other chapters are devoted to their occurrence and analysis in the environment in industrial processes and effluents and in foodstuffs T second part addresses their biological activity and reviews the metabolism cellular interactions toxicology mutagenicity and carcinogenicity of the dibenzanthracenes The final chapter is devoted to structure activity relationships in this class of the aromatic compounds **Current Catalog** National Library of Medicine (U.S.), 1985 First multi year cumulation covers six years 1965 70

National Library of Medicine Current Catalog National Library of Medicine (U.S.), 1985 *Automobiles and Pollution* Paul Degobert, Explores the impact automobile emissions have on air pollution focusing on the share of pollution that can accurately be attributed to the use of vehicles Presents general information on atmospheric pollution and its regulation in Europe then discusses its impact on health and the environment the chemistry and mechanisms of automobile pollution the influence of fuel properties post combustion treatments and economic challenges to alleviating the problem Translated and enlarged from Automobile et pollution

published by Editions Technip in Paris in 1992 Annotation copyrighted by Book News Inc Portland OR **Polynuclear Aromatic Hydrocarbons** Marcus Cooke, Kurt Leopold Loening, Joy Merritt, 1991 **Selected Non-heterocyclic Polycyclic Aromatic Hydrocarbons** R. F. Hertel, World Health Organization, Inter-Organization Programme for the Sound Management of Chemicals, International Program on Chemical Safety, 1998 *Spectral Atlas of Polycyclic Aromatic Compounds* W. Karcher, J. Devillers, Ph. Garrigues, J. Jacob, 1991-09-30 This volume is the 3rd in a series of comprehensive publications devoted to the molecular spectra and environmentally important properties of polycyclic aromatic compounds which constitute one of the most interesting classes of environmental carcinogens Since the first identification of dibenz a h anthracene and later benzo a pyrene as chemical carcinogens in the 1930 s the number of publications devoted to this ubiquitously occurring group of compounds has increased constantly Therefore this reference source for the spectral physicochemical and environmental properties of polycyclic aromatic compounds should be a welcome addition to the previous volumes for scientists engaged in the investigation characterisation and control of this hazardous class of pollutants As was the case with the preceding volume this publication is the fruit of a close collaboration within the General Directorate for Science Research and Development of the Commission of the European Communities between the Environment Institute of the Joint Research Centre Ispra the Community Bureau of Reference and expert laboratories in the member states F Geiss Director of the Environment Institute JRC Ispra 1 Introduction Polycyclic Aromatic Compounds PAC are an important class of carcinogenic environmental pollutants which occur in air water soils sediments in food and in the work area Because many hundreds of closely related isomers are being formed and released in the environment from combustion processes of fossil fuels and other organic materials their environmental and health control presents a difficult task *Environmental Health Criteria* ,1976 **New Technical Books** New York Public Library, 1986 **SPECTRAL ATLAS of POLYCYCLIC AROMATIC COMPOUNDS Vol.3. Including Information on Aquatic Toxicity, Occurrence and Biological Activity** ,1991 **Subject Guide to Books in Print** ,1997 **Handbook for Estimating Physicochemical Properties of Organic Compounds** Martin Reinhard, Axel Drefahl, 1999 For scientists and engineers seeking to estimate properties of compounds this time saving Handbook brings together in one compact volume a vast array of property estimation methods from more than 2 700 published sources for calculating many properties of organic compounds The property estimation techniques detailed in the Handbook have been chosen for their broad applicability and practical value The discussion of each estimating technique includes a clear exposition of the technique including classes of compounds for which it is applicable and critical consideration of its strengths and weaknesses as well as many worked out examples demonstrating the technique Information Resources in Toxicology Philip Wexler, 1988 UNITED STATES RESOURCES BOOK SPECIAL DOCUMENTS JOURNAL ARTICLES JOURNALS NEWSLETTERS POPULAR WORKS COMPUTERIZED INFORMATION SOURCES ABSTRACTS INDEXES CURRENT AWARENESS AUDIO VISUALS INFORMATION HANDLING LEGISLATION

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