

1. Record Nr.	UNINA9910830768403321
Autore	Bender Herbert F.
Titolo	Hazardous chemicals : control and regulation in the European market / / Herbert F. Bender, Philipp Eisenbarth
Pubbl/distr/stampa	Weinheim, [Germany] : , : Wiley-VCH Verlag GmbH & Co. KGaA, , 2007 ©2007
ISBN	1-280-85451-0 9786610854516 3-527-61008-1 3-527-60986-5
Descrizione fisica	1 online resource (413 p.)
Disciplina	363.1791
Soggetti	Hazardous substances - Law and legislation - European Union countries Hazardous substances - European Union countries - Safety measures Hazardous substances - Safety regulations - European Union countries Industrial safety - European Union countries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Hazardous Chemicals; Preface; Contents; 1 Regulations of the European Union Concerning Chemicals; 1.1 The European Institutions; 1.2 European Legislation; 1.3 Definitions; References; 2 Toxicological Basics; 2.1 Incorporation Pathways; 2.1.1 Oral Incorporation; 2.1.2 Dermal Incorporation; 2.1.3 Inhalative Incorporation; 2.2 Metabolism; 2.3 Acute Effect; 2.4 Effect in the Case of Repeated Incorporation; 2.5 Sensitizing (Allergenic) Effect; 2.6 Toxic Properties and Developmental Defects; 2.7 Fertility Damage Effect; 2.8 Carcinogenic Effects; 2.8.1 Cancer-activating Factors 2.8.2 Chemical Carcinogens2.8.2.1 Carcinogenic Potency; 2.8.2.2 Concentration; 2.8.3 Natural Carcinogens; 2.9 Mutagenic Properties; 2.9.1 Point Mutations; 2.9.2 Chromosome Mutations; 2.9.3 Genom Mutations; 2.10 Aerosols; 2.10.1 Inhalable Particles "E"; 2.10.2 Alveolar Dust "A"; 2.10.3 Respirable Fibers; 3 Classification of Substances and

Preparations; 3.1 The Dangerous Properties; 3.2 The Acute Toxic Properties; 3.2.1 Very Toxic Substances; 3.2.2 Toxic Substances; 3.2.3 Harmful Substances; 3.2.4 Corrosive Substances; 3.2.5 Irritant Substances; 3.2.6 Sensitization
3.2.7 Other Toxicological Properties
3.3 Special Toxicological Properties; 3.3.1 Classification Principles of the European Union; 3.3.2 Reproductive Toxicity; 3.3.2.1 Developmental Toxicity; 3.3.2.2 Impairment of Fertility; 3.3.3 Carcinogenic Property; 3.3.4 Mutagenic Property; 3.4 Environmental Toxicity Property; 3.4.1 Toxic to the Aquatic Environment; 3.4.2 Non-aquatic Toxic Property; 3.5 The Physico-chemical Properties; 3.5.1 Extremely Flammable; 3.5.2 Highly Flammable; 3.5.3 Flammable; 3.5.4 Oxidizing Property; 3.5.5 Explosive Property; 3.5.6 Additional Physical-chemical Properties
3.6 Classification of Substances
3.6.1 The Legal Classification (List Principle); 3.6.2 Classification Following the Definition Principle; 3.7 Classification of Preparations; 3.7.1 Experimental Testing; 3.7.2 Conventional Method; 3.7.2.1 General Concentration Limits; 3.7.2.2 Substance-specific Concentration Limits; 3.7.2.3 Classification Calculation for Substances with Different Dangerous Ingredients; References; 4 Duties and Obligations when Placing Products on the Market; 4.1 Labeling of Dangerous Substances and Preparations; 4.1.1 Labeling of Dangerous Substances
4.1.2 Labeling of Dangerous Preparations
4.1.3 Special Labeling; 4.1.4 Exceptions; 4.2 Safety Data Sheets; 4.2.1 Exceptions; 4.2.2 Headings; 4.3 Restrictions on Marketing; 4.3.1 Restriction Directive 76/769/EEC; 4.3.2 The Biocidal Product Directive 98/8/EC; 4.3.3 Regulation 304/2003/EC: Export and Import of Dangerous Chemicals; 4.3.4 Regulation 3677/90/EEC; 4.3.5 Regulation 2037/2000/EC; 4.3.6 POP Regulation 850/2004/EC; References; 5 Notification of Substances; 5.1 Full Notification; 5.1.1 Base Set (Basic Set of Test Requirements); 5.1.2 Reduced Requirements for Intermediates
5.1.3 Additional Test Program of Level 1

Sommario/riassunto

This practice-oriented guide covers the handling and use of hazardous chemicals at the workplace, including labelling and storage, transportation, occupational safety and proper registration with the European authorities. Current European Union legislation and directives are cited throughout the text, making this a valuable reference for companies and institutions both inside and outside of the EU common market.
