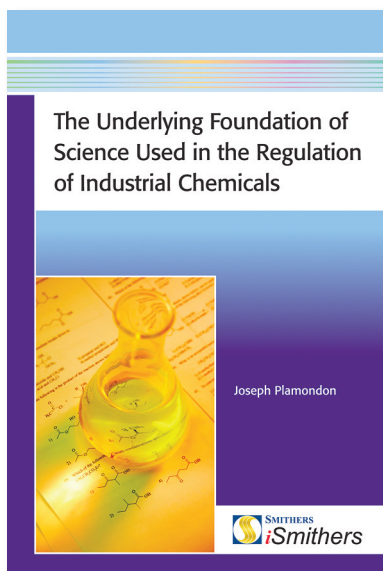


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The Underlying Foundation of Science Used in the Regulation of Industrial Chemicals

Joseph E. Plamondon

Covering chemical nomenclature issues and risk assessment under the Toxic Substances Control Act (TSCA) in the United States and the European Union's Registration, Evaluation and Authorization of Chemicals (REACH)

Contents

1. Introduction: Importance of Science in the Implementation of TSCA and REACH—Chemical Identity and Risk Assessment
2. Risk Assessment
3. International Conventions for Naming Chemicals
4. Nomenclature Problems under TSCA
5. Technical Guidance Document: Substance Identification and Naming in REACH
6. Polymer Definitions, Naming Conventions, and Regulatory Consequences under TSCA and REACH
7. Treatment of Nanotechnology under TSCA and REACH
8. Summary and Future of the Science and Regulation of Chemicals

This book reviews the relevant chemical nomenclature issues in the EU and in the US and their impact on regulatory compliance. In particular, during the pre-REACH period, chemical identities frequently were described differently by different manufacturers for the same chemicals. The importance of having consistent nomenclature rules under REACH is related to the establishment of Substance Information Exchange Forums (SIEF) by ECHA after the pre-registration process, and, ultimately, industry consortia to meet registration requirements.

This book will discuss the relationships between and among various nomenclature systems and how chemical identity issues are to be addressed under REACH, along with comparative examples of chemical issues under TSCA in the US.

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