

1. Record Nr.	UNINA9910411652903321
Autore	Higgins Thomas E. <1948->
Titolo	Toxic chemicals : risk prevention through use reduction // Thomas E. Higgins and Jayanti A. Sachdev, Stephen A. Engleman
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , [2011] ©2011
ISBN	1-000-21867-8 0-429-10623-8 1-283-00469-0 9786613004697 1-4398-3916-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (344 p.)
Classificazione	LAW034000SCI026000TEC020000
Disciplina	363.17/91 363.73847 363.1791
Soggetti	Chemical industry - Waste minimization Hazardous wastes - Management - Government policy Chemicals - Accidents - Prevention
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 and index.
Nota di contenuto	Front cover; Contents; Foreword; Acknowledgments; About the Authors; Acronyms and Abbreviations; Chapter 1. Introduction; Chapter 2. Toxic Chemical Composition Reporting; Chapter 3. Toxic Chemical Release Reporting; Chapter 4. TRI Programs in Other Countries; Chapter 5. TRI Program Impacts on Reducing Toxic Chemical Releases; Chapter 6. Quantifying Toxicity; Chapter 7. Quantifying Mobility; Chapter 8. Quantifying Persistence; Chapter 9. Quantifying Bioconcentration; Chapter 10. Developing Effective Toxicity Factors; Chapter 11. Focusing on Impact Chemicals Chapter 12. Use versus Release ReportingChapter 13. Pollution Prevention Planning; Chapter 14. Technical Assistance; Chapter 15. Market-Based Approaches to Environmental Protection; Chapter 16. A Program to Reduce Toxic Chemical Use; Chapter 17. Costs and Benefits; Appendix A: Chemicals List with CAS Numbers; Appendix B:

Sommario/riassunto

Catastrophic events such as the Bhopal, India tragedy and rising incidences of cancer in areas neighboring industrial facilities have heightened concern over the use of toxic chemicals in manufacturing and industry. Based on the author's research conducted through their development of a program in Sao Paulo, Brazil, the book explores the history of toxic chemical release reporting programs, presents data on the actual toxicity of chemicals currently in use, discusses variables that contribute to the relative toxicity of a substance, compares alternate emphases in existing programs for reducing environmental threats, and provides a specific and health-based program to reduce or eliminate the use of toxic chemicals--