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| Descrizione fisica | 1 online resource (478 p.) |
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| Nota di contenuto | Mercury Control; Contents; List of Contributors; Mercury R&D Book Foreword; Preface; List of Abbreviations; Part I: Mercury in the Environment: Origin, Fate, and Regulation; Chapter 1 Mercury in the Environment; 1.1 Introduction; 1.2 Mercury as a Chemical Element; 1.2.1 Physical and Chemical Properties of the Forms of Mercury; 1.2.2 Associations with Minerals and Fuels; 1.3 Direct Uses of Mercury; 1.4 Atmospheric Transport and Deposition; 1.5 Atmospheric Reactions and Lifetime; 1.6 Mercury Biogeochemical Cycling; References; Chapter 2 Mercury and Halogens in Coal; 2.1 Introduction 2.1.1 Mode of Occurrence of Mercury (Hg) in Coal 2.1.2 Effectiveness of Pre-Combustion Mercury Removal; 2.1.3 Methods for Mercury Determination; 2.2 Mercury in U.S. Coals; 2.2.1 U.S. Coal Databases; 2.2.1.1 USGS COALQUAL Database; 2.2.1.2 1999 EPA ICR; 2.2.1.3 2010 EPA ICR; 2.2.2 Comparison of U.S. Coal Databases; 2.3 Mercury in International Coals; 2.3.1 Review of Mercury in Coal in the Largest Coal Producers; 2.3.1.1 China; 2.3.1.2 India; 2.3.1.3 Australia; 2.3.1.4 South Africa; 2.3.1.5 Russian Federation; 2.3.1.6 Indonesia; 2.4 Halogens in |

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2.4.1.2 Bromine (Br) 2.4.1.3 Iodine (I); 2.4.1.4 Fluorine (F); 2.5
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4.3.1.2 Netherlands; 4.3.2 Asia; 4.3.2.1 China; 4.3.2.2 Japan; 4.3.2.3
Other Asian Countries; 4.3.3 Other Countries; 4.3.3.1 Australia; 4.3.3.2
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Sommario/riassunto

This essential handbook and ready reference offers a detailed overview of the existing and currently researched technologies available for the control of mercury in coal-derived gas streams and that are viable for meeting the strict standards set by environmental protection agencies. Written by an internationally acclaimed author team from government agencies, academia and industry, it details US, EU, Asia-Pacific and other international perspectives, regulations and guidelines.
