1. Record Nr. UNINA9910822210203321 Autore Mannan Sam Titolo Lees' process safety essentials: hazard identification, assessment and control / / Sam Mannan Oxford:,: Butterworth-Heinemann,, 2014 Pubbl/distr/stampa **ISBN** 0-08-096230-0 Edizione [First edition.] Descrizione fisica 1 online resource (xxi, 547 pages): illustrations (some color) Collana Gale eBooks Disciplina 660.2804 Soggetti Chemical processes - Safety measures Chemical industry - Safety measures 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; Lees' Process Safety Essentials; Copyright Page; Contents; Foreword; 1 Introduction; 1.1 Management Leadership; 1.2 Industrial Safety and Loss Trends; 1.3 Safety and Environmental Concerns; 1.4 Historical Development of Loss Prevention; 1.5 Loss Prevention Essentials; 1.6 Environment and Sustainable Development; 1.7 Responsible Care: 1.8 Academic and Research Activities: 1.9 Overview: References: 2 Incidents and Loss Statistics: 2.1 The Incident Process: 2.1.1 The Houston Model; 2.1.2 Other Incident Models; 2.2 Injury Statistics; 2.2.1 United States of America 2.2.2 United Kingdom2.3 Major Disasters: 2.4 Major Process Hazards: 2.4.1 The Inventory; 2.4.2 The Energy Factor; 2.4.3 The Time Factor; 2.4.4 The Intensity-Distance Relationship; 2.4.5 The Exposure Factor; 2.4.6 The Intensity-Damage and Intensity-Injury Relationships; 2.5 Major Hazard Control; 2.5.1 Hazard Monitoring; 2.5.2 Risk Issues; 2.5.3 Risk Perception; 2.5.3.1 Acceptable Risk; 2.5.3.2 Acceptable vs Tolerable Risk; 2.5.3.3 Actual vs Perceived Risk; 2.5.3.4 Psychological Issues: 2.5.3.5 Social Science Issues: 2.5.3.6 Risk Communication: 2.5.4 Risk Management; 2.5.5 Hazard Control Policy 2.5.6 Process Hazard Control: Advisory Committee on Major Hazards2. 5.7 Process Hazard Control: Major Hazards Arrangements; 2.5.7.1 NIHHS Regulations 1982-2002; 2.5.7.2 CIMAH Regulations 1984;

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Sommario/riassunto

Lees' Process Safety Essentials is a single-volume digest presenting the critical, practical content from Lees' Loss Prevention for day-to-day use and reference. It is portable, authoritative, affordable, and accessible - ideal for those on the move, students, and individuals without access to the full three volumes of Lees'. This book provides a convenient summary of the main content of Lees', primarily drawn from the hazard identification, assessment, and control content of volumes one and two. Users can access Essentials for day-to-day reference