

1. Record Nr.	UNINA9910462874803321
Autore	Vaidogas Egidijus Rytas
Titolo	Business of safety [[electronic resource]] : managing occupational and industrial risks ; textbook / / Egidijus Rytas Vaidogas
Pubbl/distr/stampa	Vilnius, [Lithuania], : Technika, 2010
ISBN	9955-28-799-3
Descrizione fisica	1 online resource (345 p.)
Soggetti	Industrial safety Accidents - Prevention Electronic books.
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	<p>""Contents""; ""Preface""; ""Part I. THE PROBLEM OF SAFETY""; ""1 Safety versus business profit""; ""1.1 The challenge of safety""; ""1.2 Financial impact of accidents upon company profits""; ""1.3 Business benefits of good safety performance""; ""1.4 Review questions and exercises""; ""2 Safety legislation""; ""2.1 European legislation""; ""2.2 The legal influence of the European Union on health and safety""; ""2.3 Major accident legislation""; ""2.4 Review questions and exercises""; ""3 Risk assessment at work""; ""3.1 What is risk assessment?"" ""3.2 The stepwise approach to risk assessment""""3.3 The roles and responsibilities of participants""; ""3.4 Example risk assessment""; ""3.5 Workplace risk and the risk of a major accident""; ""3.6 Review questions and exercises""; ""4 Industrial disasters encountered in the past""; ""4.1 Flixborough""; ""4.2 Seveso""; ""4.3 Bhopal""; ""4.4 Piper Alpha""; ""4.5 Toulouse""; ""4.6 Texas City""; ""4.7 Review questions and exercises""; ""Part II DEALING WITH INDIVIDUAL WORKPLACE HAZARDS""; ""5 Occupational and industrial hazards""; ""5.1 Definition of hazard and related terms"" ""5.2 Classification of hazards""""5.3 Common workplace hazard groups""; ""5.4 Review questions and exercises""; ""6 Falls, impact, falling objects and lifting""; ""6.1 Falls""; ""6.2 Slip and fall prevention measures""; ""6.3 Impact and acceleration hazards""; ""6.4 Lifting hazards""; ""6.5 Review questions and exercises""; ""7 Mechanical</p>

hazards and machine safeguarding"; "7.1 Mechanical injuries"; "7.2 Machine guards and safety devices"; "7.3 Robot safeguards"; "7.4 Review questions and exercises"; "8 Hazards of temperature extremes"; "8.1 Effects of high temperatures"; "8.2 Heat stress and performance"; "8.3 Effects of cold"; "8.4 Protection against temperature extremes"; "8.5 Review questions and exercises"; "9 Noise and vibration hazards"; "9.1 Effects of noise"; "9.2 Noise control"; "9.3 Effects of vibration"; "9.4 Review questions and exercises"; "10 Ergonomic hazards"; "10.1 The science of ergonomics"; "10.2 Musculoskeletal disorders"; "10.3 Ergonomic risk factors"; "10.4 Prevention of MSDs"; "10.5 Review questions and exercises"; "11 Electrical hazards"; "11.1 Electrical shock"; "11.2 Ignition of combustible or explosive materials"; "11.3 Overheating and damage to equipment and burns to employees"; "11.4 Electrical explosions"; "11.5 Inadvertent activation of equipment"; "11.6 Electromagnetic effects"; "11.7 Reducing electrical hazards"; "11.8 Review questions and exercises"; "12 Radiation hazards"; "12.1 Electromagnetic radiation"; "12.2 Ionising radiation"; "12.3 Radiation measurements and limits"; "12.4 Radiation limits"; "12.5 Damaging effect of ionising radiation"; "12.6 Radiation protection considerations"; "12.7 Non-ionising radiation"
