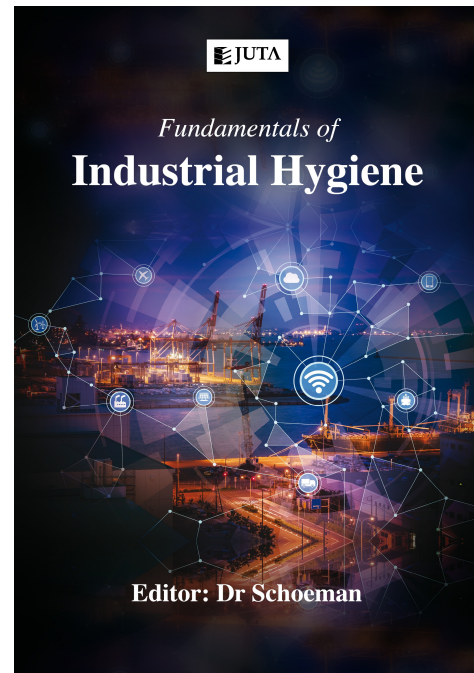


Fundamentals of Industrial Hygiene

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About this Publication:

Fundamentals of Industrial Hygiene is an introductory book for safety professionals that provides an overview in relation to the legislative requirements and occupational hygiene. This book reviews the aspects of safety from the inception of a hazard through the establishment of a hygiene programme and risk assessment. The book addresses the fundamental aspects of occupational hygiene, human physiology and industrial diseases linked to hygiene stressors. The topic in *Fundamentals of industrial hygiene* was chosen to assist the safety professional to manage the safety gaps in an organisation and to assist with the development of a hygiene programme through effective risk assessment. An effective hygiene programme stems from an effective safety leadership and co-operative cross-functional teams that strives for continual improvement of the organisations safety management system.

The book begins with an historical overview of occupational hygiene and gives an overview of the legal framework of occupational hygiene. It is essential that the safety professional to understand the interaction of toxins in the human body, thus the book covers chapter related to human physiology and toxicology. From this exposure control and sampling strategy gives the safety professional an overview the basis of occupational hygiene and hygiene management. *Fundamentals of industrial hygiene* will assist safety professionals, safety management students, Chief Executive officers and employers to establish an occupational hygiene programmes within their organisation.

This book serves safety professionals, safety practitioners, individuals new to the field of health and safety as well as educators and students preparing for a career in the health and safety industry.

Contents Include:

CHAPTER 1 Historical development of occupational hygiene
CHAPTER 2 Legal framework regarding occupational hygiene
CHAPTER 3 Fundamentals of occupational hygiene
CHAPTER 4 Human physiology and industrial diseases
CHAPTER 5 Introduction to toxicology
CHAPTER 6 Introduction to toxicology
CHAPTER 7 Thermal stress
CHAPTER 8 Materials handling
CHAPTER 9 Personal protective equipment (PPE)
CHAPTER 10 Occupational hygiene management
CHAPTER 11 Exposure control
CHAPTER 12 Sampling strategies
CHAPTER 13 Occupational health professionals

Of Interest and Benefit to:

This book serves safety professionals, safety practitioners, individuals new to the field of health and safety as well as educators and students preparing for a career in the health and safety industry.