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Titolo	Guidelines for process safety in bioprocess manufacturing facilities [[electronic resource] /] / Center for Chemical Process Safety
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Disciplina	338.476606 660.6028/9
Soggetti	Biochemical engineering - Safety measures Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Guidelines for Process Safety in Bioprocess Manufacturing Facilities; CONTENTS; List of Tables; List of Figures; Items on the Web Accompanying This Book; Acknowledgements; Preface; 1 INTRODUCTION; 1.1 Bioprocess Engineering Information Transfer and Management Practices; 1.2 The Need for Bioprocess Safely Management Systems; 1.2.2 Bioprocessing Incidents and Releases; 1.3 Our Target Audience; 1.4 How to use this Guideline; 2 AN OVERVIEW OF THE BIOPROCESSING INDUSTRY; 2.1 Bioprocessing's History; 2.1.1 Bioprocessing's Historical Advancement; 2.1.1.1 Microbiological Advancements 2.1.1.2 Food Science and Food Process Technology Advancements2. 1.1.3 Genetic Advancements; 2.1.1.4 Future Bioprocessing Developments; 2.2 Industrial Applications; 2.2.1 Processes; 2.2.2 Products; 2.3 The Bioprocess Lifecycle; 2.3.1 Discovery; 2.3.2 Development Phase: Laboratory and Pilot Plant; 2.3.3 Scale-up Phase; 2.3.4 Upstream Operations and Downstream Operations; 2.3.4.1

Inoculation / Seed and Production Biosafety Containment and Production Risk; 2.3.4.2 Fermentation / Cell Culture; 2.3.4.3 Scale of Manufacturing; 2.3.5 General Biosafety Recommendations for Large Scale Work

2.3.5.1 Facility Design2.3.5.2 Equipment Design; 2.3.5.3 Cleaning, Inactivation, and Sterilization; 2.3.5.4 Maintenance; 2.3.5.5 Air and Gas Emissions; 2.3.5.6 Waste Handling; 2.3.5.7 Accidental Release; 2.3.6 Product Safety Information; 2.3.6.1 Product Handling; 2.3.6.2 Material Disposal; 2.3.6.3 Disposable Process Technology; 2.3.7 Outsourced Manufacturing Concerns; 3 BIOPROCESSING SAFETY MANAGEMENT PRACTICES; 3.1 Sample Approach; 3.1.2 Develop and Document a System to Manage Bioprocess Safety Hazards; 3.1.3 Appoint a Biological Safety Officer; 3.1.4 Collect Bioprocess Hazard Information 3.1.5 Identify Bioprocess Safety Hazards3.1.5.1 Point of Decision; 3.1.6 Assess Bioprocess Safety Risks and Assign Bioprocess Safety Hazard Level; 3.1.7 Identify Bioprocess Controls and Risk Management Options; 3.1.8 Document Bioprocess Safety Hazard Risks and Management Decisions; 3.1.9 Communicate and Train on Bioprocess Safety Hazards; 3.1.10 Investigate & Learn from Bioprocess Incidents; 3.1.11 Review, Audit, Manage Change, and Improve Hazard Management Practices and Program; 3.2 Existing Management Systems; 3.2.1 Product Stewardship for Bioproducts

3.3 Establishing a Bioprocess Safety Management System3.3.1 Select a Management System Model Based Upon Your Needs; 3.3.2 Identifying the Elements that Apply to Your Operations; 3.3.3 Establish a Review and Approval Cycle for the Documents; 3.3.4 Rolling Out the Management System to the Users; 3.4 Biosafety Training for the Workforce; 3.5 Investigating Incidents; 3.5.1 A Generic Procedure for Initial Biohazard Incident Response; 3.6 Managing Change; 3.7 Reviewing and Auditing for Continuous Improvement; 3.8 Applying Behavior-Based Safety to Bioprocesses; 4 IDENTIFYING BIOPROCESS HAZARDS

4.1 Key Considerations for Assessing Risk to Manage Bioprocess Safety

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#### Sommario/riassunto

"This book helps advance process safety in a key area of interest. Currently, no literature exists which is solely dedicated to process safety for the bioprocessing industry. There are texts, guidelines, and standards on biosafety at the laboratory level and for industrial hygiene, but no guidelines for large-scale production facilities. In fact, biosafety is largely defined as a field that promotes safe laboratory practices, procedures and use of containment equipment and facilities. Additionally, biomedical engineers, biologists, or other professionals without chemical engineering training or knowledge of inherently safe design are designing many of these facilities"--

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2. Record Nr.	UNINA9910970019603321
Autore	Aldridge David <1947->
Titolo	A comprehensive guide to suicidal behaviours : working with individuals at risk and their families / / David Aldridge and Sergio Perez Barrero
Pubbl/distr/stampa	London ; ; Philadelphia, : Jessica Kingsley Publishers, 2012
ISBN	9786613688729 9781784027780 1784027782 9781280778339 1280778334 9780857005151 0857005154
Descrizione fisica	1 online resource (194 p.)
Altri autori (Persone)	Perez BarreroSergio Andres <1953->
Disciplina	362.28
Soggetti	Suicidal behavior - Treatment Suicide - Prevention Suicide - Psychological aspects
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	A Comprehensive Guide to Suicidal Behaviours: Working with Individuals at Risk of Suicide and their Families; Note on Vocabulary; Chapter 1 Introduction: The Individual in a Process of Escalating Distress; Chapter 2 Suicidal Behaviour in a Historical Context; Chapter 3 Classifications of Suicide; Chapter 4 Myths about Suicide; Chapter 5 Talking about Suicidal Ideas; Chapter 6 Suicide Risk Groups; Chapter 7 Protective Factors in Suicidal Behaviour; Chapter 8 Family Problems; Chapter 9 The Survivor and Complicated Grief; Chapter 10 Psychotherapy for Suicidal People in Crisis; Chapter 11 The Internet: New Possibilities, Problems and Challenges in the Prevention of Suicide; Chapter 12 Recommendations for a Suicide Prevention Strategy; Appendix 1: A Model of the Systemic Management of Distress; Appendix 2: Glossary of Terms; References; Further Information; Index; Blank Page

## Sommario/riassunto

This book explains the classifications and manifestations of suicide, risk factors, at-risk groups and warning signs. Advice on effective communication and strategies for distress management are offered for use with vulnerable individuals, those who have survived a suicide attempt and families coping with bereavement.