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Titolo	Odour Prevention and Control of Organic Sludge and Livestock Farming // editors, V.C. Nielsen, J.H. Voorburg
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , 2014
ISBN	0-429-07785-8 0-415-51578-5 1-4822-8631-9 9786610058495 1-280-05849-8 6610058490 0-203-21559-1
Edizione	[First edition.]
Descrizione fisica	1 online resource (436 p.)
Disciplina	628.5/3
Soggetti	Agricultural wastes Livestock Odor control Olfactometry Organic wastes Sewage sludge Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	"Proceedings of a seminar held in Silsoe, United Kingdom, 15-19 April 1985." On cover: Commission of the European Communities.
Nota di bibliografia	Includes bibliographies and index.
Nota di contenuto	Book Cover; Title; Contents; Preface; A review of COST Project 681 Treatment and use of organic sludges and liquid agricultural wastes'; A review of work of the FAO Sub-network 2: the reduction of odours in animal production; Odour problems related to waste water and sludge treatment; Agricultural problems related to odour prevention and control; Odour research and ammonia volatilisation; Ammonia loss from grassland systems; Sampling of odorous air for olfactometric measurement; Standardization of olfactometric measurements

Selection and treatment of panelists for determination of odor thresholds  
VDI guidelines on odour problems; An established system for odour detection threshold measurements; Guideline for olfactometric measurements in The Netherlands: comparison with Western European guidelines; French Tentative Standard X-43-101: Method of measurements of the odour of a gaseous effluent. Comments on interpretations made by Messrs Hartung, Voorburg and Hangartner; Experiences with olfactometric measurements in Norway; Limitations imposed on olfactometric measurements by the human factor  
Experiences with transportable olfactometers  
Dispersion models for emissions from agricultural sources; Experiences with olfactometers; Physical calibration of olfactometric measurements; Developments in the assessment of odours from sludges; Odour concentration and odour annoyance; Comparison of olfactometric odour measurement and chemical odour measurement; Treatment of livestock manure: air drying and composting poultry manure; The effect of insulating broiler house floors on odour emission; Use of peat as litter for milking cows; Covering manure storing tanks to control odour  
Machinery spreading: soil injection as a barrier to odour dispersion  
Swedish experiences with soil injection; Separation as a method of manure handling and odours reduction in pig buildings; Measurements of the olfactometric efficiency of various odour control devices in rendering plants; The effects of weather on odour dispersion from livestock buildings and from fields; Design and use of biofilters for livestock buildings; Experience in the use of biofilters; Design and experience obtained with bioscrubbers; Aeration of pig slurry to control odours and to reduce nitrogen levels  
Oxygen requirements for controlling odours from pig slurry by aeration  
Aeration and odour control by heterotrophic and autotrophic microorganisms; Identification of volatile components in headspace from animal slurries; Odours at water reclamation works; BOD5, TOA and odour offensiveness; Dust in livestock buildings as a carrier of odours; Dust concentrations in pig buildings; Large-scale biogas plants in Hungary; Anaerobic digestion to control odours; The bio-gas project in Emilia-Romagna (Italy); The bio-gas project in Emilia-Romagna (Italy): first results of five full scale plants  
Farm experiments of anaerobic digestion to control odours from slurry

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Sommario/riassunto

"Proceedings of a round-table seminar, Silsoe, UK, 15-19 April 1985."  
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2. Record Nr.	UNINA9911006980103321
Autore	Moore Albert L
Titolo	Fluoroelastomers handbook : the definitive user's guide and databook / / Albert L. Moore
Pubbl/distr/stampa	Norwich, NY, : William Andrew Pub., c2006
ISBN	1-282-25315-8 9786612253157 0-08-094719-0 0-8155-1726-2
Descrizione fisica	1 online resource (377 p.)
Collana	Plastics Design Library Fluorocarbon
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Soggetti	Elastomers Fluorocarbons
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; Fluoroelastomers Handbook: The Definitive User's Guide and Databook; Copyright Page; Contents; Series Editor's Preface; Preface; Acknowledgments; Part I: Fluoroelastomers Overview; Chapter 1. Fundamentals; 1.1 Introduction; 1.2 Scope: Fluorocarbon Elastomers; 1.3 Nature of Fluoroelastomers; 1.4 Fundamental Properties; 1.5 Developmental History: Compositions, Cure Technology; 1.6 Major Uses of Fluoroelastomers; 1.7 Producers of Fluoroelastomers; REFERENCES; Chapter 2. Fluoroelastomer Composition and Properties; 2.1 Major Families of Fluorocarbon Elastomers 2.2 VDF/HFP/(TFE) Elastomers 2.3 VDF/PMVE/TFE Elastomers; 2.4 TFE/PMVE Perfluoroelastomers; 2.5 TFE/P Elastomers; 2.6 E/TFE/PMVE Elastomers; REFERENCES; Part II: Fluoroelastomers Technology; Chapter 3. Fluoroelastomer Monomers; 3.1 Introduction; 3.2 Vinylidene Fluoride (VDF); 3.3 Tetrafluoroethylene (TFE); 3.4 Hexafluoropropylene (HFP); 3.5 Perfluoro(methyl vinyl ether) (PMVE); 3.6 Olefins: Ethylene and Propylene; 3.7 Cure-site Monomers; 3.8 Safety Aspects of Monomer Handling; REFERENCES; Chapter 4. Production of Fluoroelastomers; 4.1 Introduction; 4.2 General Process Description 4.3 Free Radical Copolymerization 4.4 Emulsion Polymerization; 4.5

Suspension Polymerization; 4.6 Process Conditions and Polymer Characteristics; 4.7 Monomer Recovery; 4.8 Isolation; 4.9 Process Safety; 4.10 Commercial Process Descriptions; REFERENCES; Chapter 5. Cure Systems for Fluoroelastomers; 5.1 Introduction; 5.2 VDF/HFP/ (TFE) Copolymers: Diamine, Bisphenol, Peroxide; 5.3 VDF/PMVE/TFE Elastomers: Peroxide (Bisphenol); 5.4 Perfluoroelastomers-Various Systems; 5.5 TFE/Propylene Elastomers: Peroxide, Bisphenol; 5.6 Ethylene/TFE/PMVE Elastomers: Peroxide, Bisphenol; REFERENCES Chapter 6. Processing of Fluoroelastomers 6.1 Introduction; 6.2 Mixing; 6.3 Extrusion; 6.4 Molding; 6.5 Calendaring; 6.6 Other Processing Methods; REFERENCES; Part III: Environmental Resistance and Applications of Fluoroelastomers; Chapter 7. Fluid Resistance of VDF-Containing Fluoroelastomers; 7.1 Introduction; 7.2 Fluid Resistance Data; 7.3 Discussion of Results; 7.4 Fluid Service Recommendations; REFERENCES; Chapter 8. Fluid and Heat Resistance of Perfluoroelastomers; 8.1 Introduction; 8.2 Fluid Resistance Data; 8.3 Heat Resistance Data; 8.4 Resistance to Special Environments 8.5 Major Applications REFERENCES; Chapter 9. Fluid Resistance of TFE-Olefin Fluoroelastomers; 9.1 Introduction; 9.2 Fluid Resistance of TFE/Propylene Elastomers; 9.3 Fluid Resistance of Ethylene/TFE/PMVE Elastomer; REFERENCES; Chapter 10. Fluoroelastomer Applications; 10.1 Introduction; 10.2 Major End Uses; 10.3 Fabrication Methods; Chapter 11. Compounds for O-Rings and Molded Goods; 11.1 O-Rings; 11.2 VDF/HFP/TFE Compounds; 11.3 VDF/PMVE/TFE Compounds; 11.4 Seal Design Considerations; 11.5 Additional Fluoroelastomer Molding Compounds; REFERENCES; Chapter 12. Compounds for Auto Fuel Systems  
12.1 Introduction

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Sommario/riassunto

Fluoroelastomers Handbook: The Definitive User's Guide and Databook is a comprehensive reference on fluoroelastomer chemistry, processing technology, and applications. This is a must-have reference for materials scientists and engineers in the automotive, aerospace, chemical, chemical process, and power generation industries. Fluoroelastomers meet rigorous performance requirements in harsh environments, enhancing reliability, safety, and environmental friendliness. Fluoroelastomers are growing as products of choice for critical components such as O-rings, hoses, and seals in hostile fluid and

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