

1. Record Nr.	UNINA9910145419203321
Titolo	Modern chlor-alkali technology . Volume 8 Proceedings of the 2000 London International Chlorine Symposium; organised by SCI's Electrochemical Technology Group, held on 31st May-2nd June, 2009 [[electronic resource] /] / edited by John Moorhouse
Pubbl/distr/stampa	Chichester, : Society of Chemical Industry Malden, Mass., : Blackwell [distributor], 2001
ISBN	1-281-31280-0 9786611312800 0-470-99947-0 0-470-99946-2
Descrizione fisica	1 online resource (352 p.)
Altri autori (Persone)	MoorhouseJ. S
Disciplina	661 661.0732 661/.0732
Soggetti	Chlorine industry Alkali industry and trade Electrochemistry, Industrial
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	Modern Chlor-Alkali Technology Volume 8; Contents; Introduction; Acknowledgements; 1 The Chlor-Alkali Business; 2 Phase-out Issues for Mercury Cell Technology in the Chlor-Alkali Industry; 3 Euro Chlor Risk Assessment for the Marine Environment; 4 Chlorine Production with Oxygen-depolarised Cathodes on an Industrial Scale; 5 Deactivation of Thermally Formed RuO <sub>2</sub> + TiO <sub>2</sub> Coatings During Chlorine Evolution: Mechanisms and Reactivation Measures; 6 High Current Density Operation of Chlor-Alkali Electrolyzers - the Standard for the New Millennium 7 Chlorine Processing Beyond the Millennium - the Use of Gas-separation Membranes 8 Electrode Management Optimisation System; 9 Gas-diffusion Electrodes for Chlorine-related (Production) Technologies; 10 Replacement of Mercury Chlor-Alkali Plants with New

Membrane Plants in Australia; 11 Commercialisation of Kvaerner Chemetics' Sulphate Removal System; 12 Process to Remove Sulphate, Iodide and Silica from Brine; 13 Advanced Diaphragm Cell Technology (ADCT)TM; 14 Hypochlorite Recycling to Diaphragm Cells 15 Practical Operating Differences in Converting a Diaphragm Cell Chlor-Alkali Plant to a Membrane Electrolyser Plant 16 Know-how and Technology - Improving the Return on Investment for Conversions, Expansions and New Chlorine Plants; 17 New Electrolyser Design for High Current Density; 18 Chlor-Alkali Membrane Electrolyser; 19 Advanced Cell Technology with Flemion R Membranes and the AZEC R Bipolar Electrolyser; 20 A Dynamic Model of a Mercury Chlorine Cell; 21 Ethylene Dichloride ± Part of the Chlor-Alkali Plant?; 22 Back-pulse Filtration Using GORE-TEX R Membrane Filter Cloths 23 Cost Saving in Chlorine Plants by Benefiting from the Unique Properties of Titanium 24 Brine Purification by Ion Exchange with Water Elution; 25 Emission of Chlorine Dioxide in a Hypochlorite Production Unit in the Steady State and at Peak Load; 26 New Process Options for Hypochlorite Destruction; Index

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**Sommario/riassunto**

The book addresses the latest technical developments in the chlorine industry with emphasis on operational improvements. The effects of economic, political, environmental and safety issues surrounding the industry are covered.

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2. Record Nr.	UNISA996217128203316
Titolo	Chicago defender
Pubbl/distr/stampa	Chicago, Ill., : Robert S. Abbott Pub. Co
Disciplina	071
Soggetti	African Americans - Illinois - Chicago African Americans Newspapers. Chicago (Ill.) Newspapers Cook County (Ill.) Newspapers Illinois Chicago Illinois Cook County
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico