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Altri autori (Persone)	MoorhouseJ. S
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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 ₂ + TiO ₂ Coatings During Chlorine Evolution: Mechanisms and Reactivation Measures; 6 High Current Density Operation of Chlor-Alkali Electrolysers - the Standard for the New Millennium 7 Chlorine Processing Beyond the Millennium - the Use of Gas-separation Membranes8 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)™; 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

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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