

WORLD



ANALYSIS

CMAI

CMAI examines the issues and develops a five-year projection for the global chlor-alkali markets.



World Chlor-Alkali Analysis

Whether during times of great economic prosperity or times of global economic slowdown, business success is critically linked to sound decision-making and the ability to anticipate what the future holds for a normally hard to predict chlor-alkali market. For comprehensive global market coverage and long-term market forecasts, the unprecedented choice for the chlor-alkali industry is the **World Chlor-Alkali Analysis**.

Most of the business decisions you make as a producer, buyer or investor in the chlor-alkali industry are inevitably tied to major issues such as shifting end use markets and demand, production costs and market uncertainties. The result is investment risk analysis, which emphasizes the need for long-term foresight based on accurate information about the industry.

The **World Chlor-Alkali Analysis** will provide you with the information you need to analyze longer-term industry trends, and plan for investment success. CMAI's renowned world market expertise in chlorine, caustic soda, olefins, and vinyls will provide the best available data to meet your needs for reliable and accurate information on the chlor-alkali business.



The **World Chlor-Alkali Analysis** is an ideal complement to CMAI's monthly market advisory services for the chlor-alkali industry. More global, more detailed, and thorough in analysis, this annual study is also the best source for a global industry outlook. The **World Chlor-Alkali Analysis** presents an eleven year outlook (five-year historical, base year, and five-year forecast) for capacity, supply/demand, and pricing for chlorine, caustic soda, and related products.

WORLD CHLOR-ALKALI ANALYSIS

About CMAI Methodology:

A staff of accomplished consultants gathers market intelligence on a continuing basis, maintaining knowledgeable contacts and regularly traveling worldwide. All information is validated, interpreted and analyzed prior to being incorporated into the CMAI database, which is now a broad foundation of informational elements that have been growing since 1979. Cost assumptions deal with projections of feedstock cost, the value of crude oil and natural gas, foreign exchange variation and anticipated rates of inflation.

CMAI's price forecasts employ a combined treatment of production costs and cash operating margins that are derived from a utilization rate analysis. These and other significant factors are evaluated by the use of well-established models, working forward and backward along the tightly linked chain of economic elements that ultimately comprise a meaningful forecast.

As the petrochemical world has expanded, so have the capabilities of CMAI's market research and analysis staff. Our client base has broadened and increased to include not only petrochemical companies, but also financial institutions and associated industries, thus suggesting that CMAI's approach and methodology yield genuinely accurate, timely and useful market information.

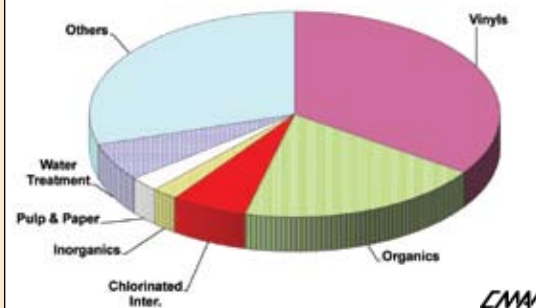
Providing a reliable source of information on manufacturing, marketing, economic and forecast data, the **World Chlor-Alkali Analysis** offers the most thorough market study available to the chlor-alkali industry. Essential information provided in this annual study includes:

- **Production capacities for chlorine and caustic.** Major chlorine and caustic derivatives such as alumina, bromine, chlorinated solvents, EDC/VCM, epichlorhydrin, MDI/TDI, propylene oxide, pulp, sodium chlorate and TiO₂.
- **Data over a period of eleven years, five years history, base year actual, and five years forecast for capacities, supply/demand balances and prices.**
- **Country-by-country supply/demand balances for chlorine and caustic with historic and forecast end-use patterns for significant chlor-alkali derivatives for individual countries, detailed by company and regions.**
- **Online access for respective data in an electronic format for capacity and supply/demand from our website.**
- **Chlor-Alkali process economics for producers in the U.S. Gulf Coast, West Europe, Asia and Middle East.**
- **International trade grids for major chlorine derivatives and caustic soda covering select historical and forecast years.**
- **U.S. price and cash margin forecasts for chlorine and caustic, presented for base year and five - year projection.**
- **Capacity expansion data, including new facilities and ownership changes during the forecast period.**
- **Concise graphs, maps, grids and tables that effectively support editorial analysis.**

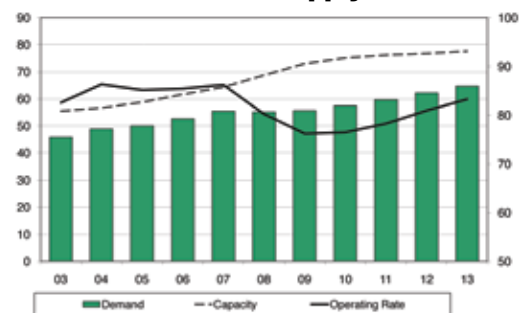
Combined with the most sophisticated database technologies, this study utilizes effective and proven methodology developed by CMAI that has spanned three decades of consulting experience.

If you are interested in learning more about these electronic services, please contact CMAI for information.

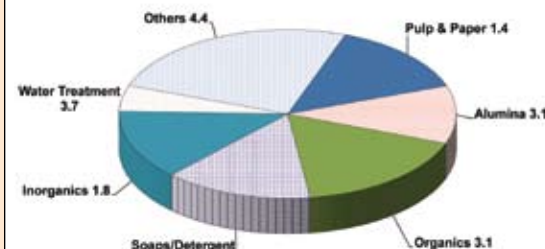
World Chlorine End Use Demand



World Chlorine Supply/Demand



World Caustic Soda End Use Demand



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