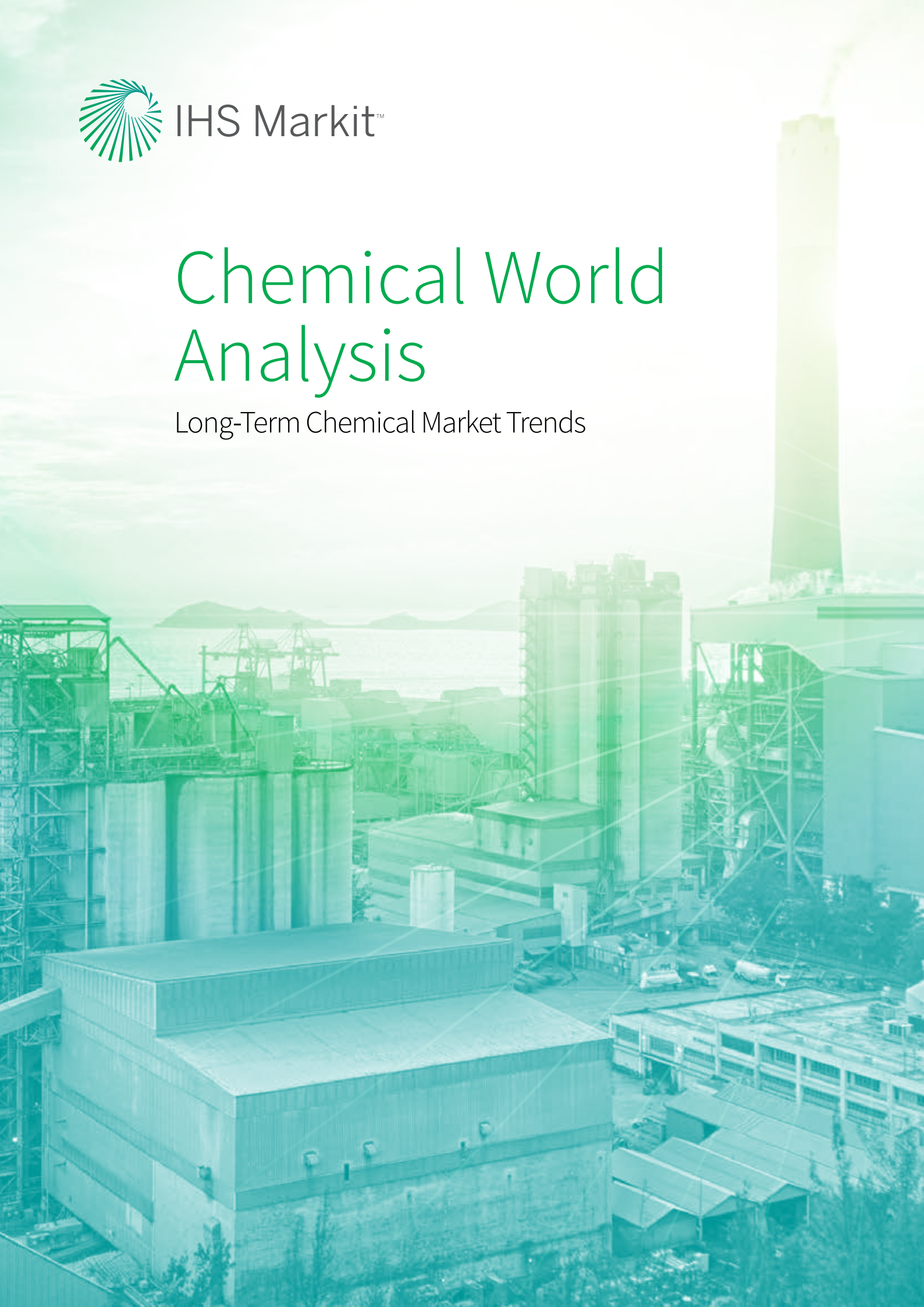




IHS Markit™

Chemical World Analysis

Long-Term Chemical Market Trends



Make Better Decisions

In an environment of shifting markets and emerging technologies, data-driven strategic planning and quarterly business reviews has never been more important.

- Sound planning requires credible data
- Shifting markets necessitate updated analysis
- New technologies challenge assumptions
- Quarterly business reviews need updated impact of major economic events
- Business planning and forecasting demand market drivers sensitivity analysis

The Right Tool

World Analysis supports your annual strategic planning and quarterly business reviews by adding robust operations support, with current actionable data and expert analysis. Devote more time and resources to making critical investment decisions and less time to ad-hoc data collection and market assessment. The World Analysis Service is the right tool for:

- Supply chain and portfolio optimization
- Expansion and investment decisions
- Competitive analysis
- Product and market evaluation
- Merger & acquisition validation
- Business plan validation

World Analysis provides you:

Supply Demand

Bi-annually updated supply demand database helps you:

- Assess operating rates as a key driver of product financial performance.

Global Capacity

Real time capacity database helps you:

- Stay abreast with updated views of supply, including independent views of actual capacity & real start-up dates
- Get a dynamic and historical perspective of the global supply picture

Detailed country-level trade grids

Bi-annually updated trade data helps you:

- Scrutinize volume patterns of trade
- See changing domestic market price structure & margin pressures
- Discover what countries are the biggest importers and exporters
- Understand how capacity additions change trade flows and destinations of incremental supply

Quarterly 10 year forecasts for price, cost and margin

Regularly updated price, cost and margin data helps you:

- Sync your long-term price forecast more closely with on-going changes in global energy and economic markets

Upside and downside sensitivities

Our sensitivities assessment on the upside and downside price drivers helps you:

- Assess underpinning forces capable of driving price behavior and corresponding margins away from the Base Case trendline
- Closely align L-T price forecast while identifying potential drivers of inflection points

Dynamic Interactive User Interface

New Tableau Interface helps you:

- Quickly and efficiently visualize and analyze the data
- Personalize the way you view the information in a way you need it

Critical Data and Dynamic Tools To Accelerate Your Planning Process:



IHS Chemical's World Analysis Service, Organized by Chemical Product Families

OLEFINS & DERIVATIVES

- Acrylic Acid & Acrylates
- Acrylonitrile
- Butadiene
- Butylenes
- Ethylene Oxide and Ethylene Glycol
- Ethylene
- Oxo Alcohols
- Propylene
- Propylene Oxide
- Rubber

PLASTICS

- ABS
- Expandable Polystyrene
- Nylon Engineering Resins

- Polyethylene

- Polypropylene

- Polystyrene

- Polycarbonate

AROMATICS & FIBERS

- Benzene
- Cumene/Phenol & Acetone
- Nylon Feedstocks
- Nylon Fibers
- Paraxylene
- Polyester
- PTA/DMT
- Styrene
- Toluene & Xylenes
- MDI
- TDI

CHLOR-ALKALI/VINYLS/INORGANICS

- Chlor-Alkali
- Soda Ash
- Vinyls

SYNGAS CHEMICALS

- Acetyls
- Formaldehyde & Resins
- Methanol
- MTBE

- Full Version
- Abbreviated Version
- Data-only Version

World Analysis Product Features Segmented Into Three Versions

Product Features	Full Version	Abbreviated Version	Data-Only Version
Supply/Demand Balances	✓	✓	✓
Online Supply/Demand and Capacity Data Back to 1990	✓	✓	✓
Production Capacities (Global by Company & Location)	✓	✓	✓
Capacity Expansions/Closures + Top Producers	✓	✓	✓
Capacity Integration: Product(s) + Main Derivatives (if available)	✓	✓	✓
Reporting Period: 5 year History + Base year + 10 Year Forecast	✓	✓	✓
Data by Region and Country	✓	✓	✓
On-line Data Access	✓	✓	✓
Economy & Energy Assumptions	✓	✓	
Executive Global Overview	✓	✓	
Production Economics	✓	✓	
Production Process/Technology Overview	✓	✓	
10 year Product Price/Margin Forecasts	✓	Selected	
Producer Site Location Maps/Connect maps	✓	Selected	
Standard Supply/Demand Graph File(s) (Excel format)	✓	✓	
Trade Grids	✓	✓	
Regional Summaries	✓		
Global Overviews of Major Derivatives	Selected		
For-fee Print Copies (no CDs)	✓		

About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

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