

Delta-Valerolactone Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

https://marketpublishers.com/r/D39CF53D5D15EN.html

Date: February 2025

Pages: 86

Price: US\$ 3,200.00 (Single User License)

ID: D39CF53D5D15EN

Abstracts

Delta-Valerolactone Market Overview

The Delta-Valerolactone market is poised for significant growth from 2025 to 2030, driven by its increasing applications in various industries such as coatings, specialty monomers, and electronic chemicals. Delta-Valerolactone, a cyclic ester, is widely used as a solvent, intermediate, and additive due to its unique chemical properties. The market is expected to grow at a compound annual growth rate (CAGR) of 5.2% to 6.8% during the forecast period, reaching a market size of approximately \$120 million to \$150 million by 2030.

Market Size and Share Analysis

The global Delta-Valerolactone market was valued at \$85 million to \$95 million in 2024. By 2025, the market is projected to grow to \$90 million to \$100 million, with a steady increase in demand across key regions such as North America, Europe, and Asia-Pacific. The Asia-Pacific region is expected to dominate the market, accounting for 40% to 45% of the global market share, driven by rapid industrialization and increasing demand for coatings and electronic chemicals.

Market Share by Product Type

High Purity Delta-Valerolactone: Holds a market share of 55% to 60%, primarily used in electronic chemicals and specialty monomers.

Industrial Grade Delta-Valerolactone: Accounts for 40% to 45% of the market, mainly used in coating additives and solvents.



Market Share by Key Players

The Delta-Valerolactone market is highly competitive, with key players such as BASF, Aether Industries Limited, and Changzhou Jintan Hengxin Chemical dominating the market. BASF holds the largest market share at 25% to 30%, followed by Aether Industries Limited with 15% to 20%, and Changzhou Jintan Hengxin Chemical with 10% to 15%.

Market Trends

The Delta-Valerolactone market is witnessing several key trends:

Increasing Demand for Eco-Friendly Solvents: With growing environmental concerns, there is a rising demand for eco-friendly solvents, driving the adoption of Delta-Valerolactone in various applications.

Growth in Electronic Chemicals: The electronics industry is experiencing rapid growth, leading to increased demand for high-purity Delta-Valerolactone used in the production of electronic chemicals.

Expansion in Coating Additives: The coatings industry is expanding, particularly in emerging economies, boosting the demand for Delta-Valerolactone as a coating additive.

Market Segmentation by Process

The Delta-Valerolactone market can be segmented by the production process into:

Chemical Synthesis: Accounts for 70% to 75% of the market, as it is the most common method for producing Delta-Valerolactone.

Bio-Based Production: Represents 25% to 30% of the market, with increasing interest in sustainable and renewable production methods.

Market Segmentation by Application

The Delta-Valerolactone market is segmented by application into:

Coating Additives: Holds the largest market share at 40% to 45%, driven by the growing demand for high-performance coatings.

Specialty Monomers: Accounts for 30% to 35% of the market, with increasing use in the production of polymers and resins.

Electronic Chemicals: Represents 20% to 25% of the market, driven by the growth of the electronics industry.



Market Segmentation by End-Use

The Delta-Valerolactone market is segmented by end-use into:

Automotive: Accounts for 30% to 35% of the market, driven by the demand for high-performance coatings and adhesives.

Electronics: Represents 25% to 30% of the market, with increasing use in electronic chemicals and components.

Construction: Holds a market share of 20% to 25%, driven by the demand for coatings and sealants.

Others: Includes industries such as pharmaceuticals and textiles, accounting for 15% to 20% of the market.

Regional Analysis

The Delta-Valerolactone market is analyzed by region as follows:

North America: Accounts for 20% to 25% of the market, driven by the demand for high-performance coatings and electronic chemicals.

Europe: Represents 25% to 30% of the market, with increasing demand for eco-friendly solvents and specialty monomers.

Asia-Pacific: Dominates the market with 40% to 45% share, driven by rapid industrialization and growth in the electronics and automotive industries.

Rest of the World: Accounts for 10% to 15% of the market, with steady growth in emerging economies.

Market News on Policy and Companies

Recent developments in the Delta-Valerolactone market include:

BASF's Expansion: BASF announced plans to expand its Delta-Valerolactone production capacity by 20% by 2026, aiming to meet the growing demand in the electronics and coatings industries.

Environmental Regulations: Stricter environmental regulations in Europe and North America are driving the adoption of bio-based Delta-Valerolactone, with companies investing in sustainable production methods.

Aether Industries' New Product Launch: Aether Industries Limited launched a new highpurity Delta-Valerolactone product, targeting the electronic chemicals market, with



expected revenue growth of 10% to 15% in 2025.

Segment Forecasts (2025 - 2030)

The Delta-Valerolactone market is expected to witness significant growth across all segments:

Coating Additives: Projected to grow at a CAGR of 5.5% to 6.5%, driven by the demand for high-performance coatings in the automotive and construction industries.

Specialty Monomers: Expected to grow at a CAGR of 6.0% to 7.0%, with increasing use in the production of polymers and resins.

Electronic Chemicals: Anticipated to grow at a CAGR of 7.0% to 8.0%, driven by the growth of the electronics industry.

Bio-Based Production: Projected to grow at a CAGR of 8.0% to 9.0%, as companies invest in sustainable production methods to meet environmental regulations.

Conclusion

The Delta-Valerolactone market is set for robust growth from 2025 to 2030, driven by increasing demand across various industries and regions. Key players such as BASF, Aether Industries Limited, and Changzhou Jintan Hengxin Chemical are expected to dominate the market, with significant investments in capacity expansion and sustainable production methods. The market is projected to grow at a CAGR of 5.2% to 6.8%, reaching a market size of \$120 million to \$150 million by 2030.



Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

- 3.1 Research Scope
- 3.2 Research Sources
 - 3.2.1 Data Sources
 - 3.2.2 Assumptions
- 3.3 Research Method

CHAPTER 4 MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 Classification/Types
- 4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

- 5.1 Introduction
- 5.2 Drivers
- 5.3 Restraints
- 5.4 Opportunities
- 5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

- 6.1 Upstream/Suppliers Analysis
- 6.2 Delta-Valerolactone Analysis
 - 6.2.1 Technology Analysis
 - 6.2.2 Cost Analysis
 - 6.2.3 Market Channel Analysis
- 6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS



- 7.1 Latest News
- 7.2 Merger and Acquisition
- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 TRADING ANALYSIS

- 8.1 Export of Delta-Valerolactone by Region
- 8.2 Import of Delta-Valerolactone by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST DELTA-VALEROLACTONE MARKET IN NORTH AMERICA (2020-2030)

- 9.1 Delta-Valerolactone Market Size
- 9.2 Delta-Valerolactone Demand by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Type Segmentation and Price
- 9.5 Key Countries Analysis
 - 9.5.1 United States
 - 9.5.2 Canada
 - 9.5.3 Mexico

CHAPTER 10 HISTORICAL AND FORECAST DELTA-VALEROLACTONE MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 Delta-Valerolactone Market Size
- 10.2 Delta-Valerolactone Demand by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Type Segmentation and Price
- 10.5 Key Countries Analysis
 - 10.5.1 Brazil
 - 10.5.2 Argentina
 - 10.5.3 Chile
 - 10.5.4 Peru

CHAPTER 11 HISTORICAL AND FORECAST DELTA-VALEROLACTONE MARKET IN ASIA & PACIFIC (2020-2030)



- 11.1 Delta-Valerolactone Market Size
- 11.2 Delta-Valerolactone Demand by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Type Segmentation and Price
- 11.5 Key Countries Analysis
 - 11.5.1 China
 - 11.5.2 India
 - 11.5.3 Japan
 - 11.5.4 South Korea
 - 11.5.5 Southest Asia
 - 11.5.6 Australia

CHAPTER 12 HISTORICAL AND FORECAST DELTA-VALEROLACTONE MARKET IN EUROPE (2020-2030)

- 12.1 Delta-Valerolactone Market Size
- 12.2 Delta-Valerolactone Demand by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Type Segmentation and Price
- 12.5 Key Countries Analysis
 - 12.5.1 Germany
 - 12.5.2 France
 - 12.5.3 United Kingdom
 - 12.5.4 Italy
 - 12.5.5 Spain
 - 12.5.6 Belgium
 - 12.5.7 Netherlands
 - 12.5.8 Austria
 - 12.5.9 Poland
 - 12.5.10 Russia

CHAPTER 13 HISTORICAL AND FORECAST DELTA-VALEROLACTONE MARKET IN MEA (2020-2030)

- 13.1 Delta-Valerolactone Market Size
- 13.2 Delta-Valerolactone Demand by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Type Segmentation and Price
- 13.5 Key Countries Analysis



- 13.5.1 Egypt
- 13.5.2 Israel
- 13.5.3 South Africa
- 13.5.4 Gulf Cooperation Council Countries
- 13.5.5 Turkey

CHAPTER 14 SUMMARY FOR GLOBAL DELTA-VALEROLACTONE MARKET (2020-2025)

- 14.1 Delta-Valerolactone Market Size
- 14.2 Delta-Valerolactone Demand by End Use
- 14.3 Competition by Players/Suppliers
- 14.4 Type Segmentation and Price

CHAPTER 15 GLOBAL DELTA-VALEROLACTONE MARKET FORECAST (2025-2030)

- 15.1 Delta-Valerolactone Market Size Forecast
- 15.2 Delta-Valerolactone Demand Forecast
- 15.3 Competition by Players/Suppliers
- 15.4 Type Segmentation and Price Forecast

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 BASF
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and Delta-Valerolactone Information
 - 16.1.3 SWOT Analysis of BASF
- 16.1.4 BASF Delta-Valerolactone Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.2 Aether Industries Limited
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and Delta-Valerolactone Information
 - 16.2.3 SWOT Analysis of Aether Industries Limited
- 16.2.4 Aether Industries Limited Delta-Valerolactone Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.3 Changzhou Jintan Hengxin Chemical
 - 16.3.1 Company Profile
 - 16.3.2 Main Business and Delta-Valerolactone Information



16.3.3 SWOT Analysis of Changzhou Jintan Hengxin Chemical

16.3.4 Changzhou Jintan Hengxin Chemical Delta-Valerolactone Sales, Revenue,

Price and Gross Margin (2020-2025)

Please ask for sample pages for full companies list

Tables and Figures

Table Abbreviation and Acronyms List

Table Research Scope of Delta-Valerolactone Report

Table Data Sources of Delta-Valerolactone Report

Table Major Assumptions of Delta-Valerolactone Report

Figure Market Size Estimated Method

Figure Major Forecasting Factors

Figure Delta-Valerolactone Picture

Table Delta-Valerolactone Classification

Table Delta-Valerolactone Applications List

Table Drivers of Delta-Valerolactone Market

Table Restraints of Delta-Valerolactone Market

Table Opportunities of Delta-Valerolactone Market

Table Threats of Delta-Valerolactone Market

Table Raw Materials Suppliers List

Table Different Production Methods of Delta-Valerolactone

Table Cost Structure Analysis of Delta-Valerolactone

Table Key End Users List

Table Latest News of Delta-Valerolactone Market

Table Merger and Acquisition List

Table Planned/Future Project of Delta-Valerolactone Market

Table Policy of Delta-Valerolactone Market

Table 2020-2030 Regional Export of Delta-Valerolactone

Table 2020-2030 Regional Import of Delta-Valerolactone

Table 2020-2030 Regional Trade Balance

Figure 2020-2030 Regional Trade Balance

Table 2020-2030 North America Delta-Valerolactone Market Size and Market Volume List

Figure 2020-2030 North America Delta-Valerolactone Market Size and CAGR

Figure 2020-2030 North America Delta-Valerolactone Market Volume and CAGR

Table 2020-2030 North America Delta-Valerolactone Demand List by Application

Table 2020-2025 North America Delta-Valerolactone Key Players Sales List

Table 2020-2025 North America Delta-Valerolactone Key Players Market Share List

Table 2020-2030 North America Delta-Valerolactone Demand List by Type

Table 2020-2025 North America Delta-Valerolactone Price List by Type



Table 2020-2030 United States Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 United States Delta-Valerolactone Import & Export List

Table 2020-2030 Canada Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Canada Delta-Valerolactone Import & Export List

Table 2020-2030 Mexico Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Mexico Delta-Valerolactone Import & Export List

Table 2020-2030 South America Delta-Valerolactone Market Size and Market Volume List

Figure 2020-2030 South America Delta-Valerolactone Market Size and CAGR

Figure 2020-2030 South America Delta-Valerolactone Market Volume and CAGR

Table 2020-2030 South America Delta-Valerolactone Demand List by Application

Table 2020-2025 South America Delta-Valerolactone Key Players Sales List

Table 2020-2025 South America Delta-Valerolactone Key Players Market Share List

Table 2020-2030 South America Delta-Valerolactone Demand List by Type

Table 2020-2025 South America Delta-Valerolactone Price List by Type

Table 2020-2030 Brazil Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Brazil Delta-Valerolactone Import & Export List

Table 2020-2030 Argentina Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Argentina Delta-Valerolactone Import & Export List

Table 2020-2030 Chile Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Chile Delta-Valerolactone Import & Export List

Table 2020-2030 Peru Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Peru Delta-Valerolactone Import & Export List

Table 2020-2030 Asia & Pacific Delta-Valerolactone Market Size and Market Volume List

Figure 2020-2030 Asia & Pacific Delta-Valerolactone Market Size and CAGR

Figure 2020-2030 Asia & Pacific Delta-Valerolactone Market Volume and CAGR

Table 2020-2030 Asia & Pacific Delta-Valerolactone Demand List by Application

Table 2020-2025 Asia & Pacific Delta-Valerolactone Key Players Sales List

Table 2020-2025 Asia & Pacific Delta-Valerolactone Key Players Market Share List

Table 2020-2030 Asia & Pacific Delta-Valerolactone Demand List by Type

Table 2020-2025 Asia & Pacific Delta-Valerolactone Price List by Type

Table 2020-2030 China Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 China Delta-Valerolactone Import & Export List

Table 2020-2030 India Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 India Delta-Valerolactone Import & Export List

Table 2020-2030 Japan Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Japan Delta-Valerolactone Import & Export List



Table 2020-2030 South Korea Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 South Korea Delta-Valerolactone Import & Export List

Table 2020-2030 Southeast Asia Delta-Valerolactone Market Size List

Table 2020-2030 Southeast Asia Delta-Valerolactone Market Volume List

Table 2020-2030 Southeast Asia Delta-Valerolactone Import List

Table 2020-2030 Southeast Asia Delta-Valerolactone Export List

Table 2020-2030 Australia Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Australia Delta-Valerolactone Import & Export List

Table 2020-2030 Europe Delta-Valerolactone Market Size and Market Volume List

Figure 2020-2030 Europe Delta-Valerolactone Market Size and CAGR

Figure 2020-2030 Europe Delta-Valerolactone Market Volume and CAGR

Table 2020-2030 Europe Delta-Valerolactone Demand List by Application

Table 2020-2025 Europe Delta-Valerolactone Key Players Sales List

Table 2020-2025 Europe Delta-Valerolactone Key Players Market Share List

Table 2020-2030 Europe Delta-Valerolactone Demand List by Type

Table 2020-2025 Europe Delta-Valerolactone Price List by Type

Table 2020-2030 Germany Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Germany Delta-Valerolactone Import & Export List

Table 2020-2030 France Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 France Delta-Valerolactone Import & Export List

Table 2020-2030 United Kingdom Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 United Kingdom Delta-Valerolactone Import & Export List

Table 2020-2030 Italy Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Italy Delta-Valerolactone Import & Export List

Table 2020-2030 Spain Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Spain Delta-Valerolactone Import & Export List

Table 2020-2030 Belgium Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Belgium Delta-Valerolactone Import & Export List

Table 2020-2030 Netherlands Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Netherlands Delta-Valerolactone Import & Export List

Table 2020-2030 Austria Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Austria Delta-Valerolactone Import & Export List

Table 2020-2030 Poland Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Poland Delta-Valerolactone Import & Export List

Table 2020-2030 Russia Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Russia Delta-Valerolactone Import & Export List

Table 2020-2030 MEA Delta-Valerolactone Market Size and Market Volume List

Figure 2020-2030 MEA Delta-Valerolactone Market Size and CAGR



Figure 2020-2030 MEA Delta-Valerolactone Market Volume and CAGR

Table 2020-2030 MEA Delta-Valerolactone Demand List by Application

Table 2020-2025 MEA Delta-Valerolactone Key Players Sales List

Table 2020-2025 MEA Delta-Valerolactone Key Players Market Share List

Table 2020-2030 MEA Delta-Valerolactone Demand List by Type

Table 2020-2025 MEA Delta-Valerolactone Price List by Type

Table 2020-2030 Egypt Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Egypt Delta-Valerolactone Import & Export List

Table 2020-2030 Israel Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Israel Delta-Valerolactone Import & Export List

Table 2020-2030 South Africa Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 South Africa Delta-Valerolactone Import & Export List

Table 2020-2030 Gulf Cooperation Council Countries Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Gulf Cooperation Council Countries Delta-Valerolactone Import & Export List

Table 2020-2030 Turkey Delta-Valerolactone Market Size and Market Volume List

Table 2020-2030 Turkey Delta-Valerolactone Import & Export List

Table 2020-2025 Global Delta-Valerolactone Market Size List by Region

Table 2020-2025 Global Delta-Valerolactone Market Size Share List by Region

Table 2020-2025 Global Delta-Valerolactone Market Volume List by Region

Table 2020-2025 Global Delta-Valerolactone Market Volume Share List by Region

Table 2020-2025 Global Delta-Valerolactone Demand List by Application

Table 2020-2025 Global Delta-Valerolactone Demand Market Share List by Application

Table 2020-2025 Global Delta-Valerolactone Capacity List

Table 2020-2025 Global Delta-Valerolactone Key Vendors Capacity Share List

Table 2020-2025 Global Delta-Valerolactone Key Vendors Production List

Table 2020-2025 Global Delta-Valerolactone Key Vendors Production Share List

Figure 2020-2025 Global Delta-Valerolactone Capacity Production and Growth Rate

Table 2020-2025 Global Delta-Valerolactone Key Vendors Production Value List

Figure 2020-2025 Global Delta-Valerolactone Production Value and Growth Rate

Table 2020-2025 Global Delta-Valerolactone Key Vendors Production Value Share List

Table 2020-2025 Global Delta-Valerolactone Demand List by Type

Table 2020-2025 Global Delta-Valerolactone Demand Market Share List by Type

Table 2020-2025 Regional Delta-Valerolactone Price List

Table 2025-2030 Global Delta-Valerolactone Market Size List by Region

Table 2025-2030 Global Delta-Valerolactone Market Size Share List by Region

Table 2025-2030 Global Delta-Valerolactone Market Volume List by Region

Table 2025-2030 Global Delta-Valerolactone Market Volume Share List by Region



Table 2025-2030 Global Delta-Valerolactone Demand List by Application

Table 2025-2030 Global Delta-Valerolactone Demand Market Share List by Application

Table 2025-2030 Global Delta-Valerolactone Capacity List

Table 2025-2030 Global Delta-Valerolactone Key Vendors Capacity Share List

Table 2025-2030 Global Delta-Valerolactone Key Vendors Production List

Table 2025-2030 Global Delta-Valerolactone Key Vendors Production Share List

Figure 2025-2030 Global Delta-Valerolactone Capacity Production and Growth Rate

Table 2025-2030 Global Delta-Valerolactone Key Vendors Production Value List

Figure 2025-2030 Global Delta-Valerolactone Production Value and Growth Rate

Table 2025-2030 Global Delta-Valerolactone Key Vendors Production Value Share List

Table 2025-2030 Global Delta-Valerolactone Demand List by Type

Table 2025-2030 Global Delta-Valerolactone Demand Market Share List by Type

Table 2025-2030 Delta-Valerolactone Regional Price List

Table BASF Information

Table SWOT Analysis of BASF

Table 2020-2025 BASF Delta-Valerolactone Product Capacity Production Price Cost Production Value

Figure 2020-2025 BASF Delta-Valerolactone Capacity Production and Growth Rate

Figure 2020-2025 BASF Delta-Valerolactone Market Share

Table Aether Industries Limited Information

Table SWOT Analysis of Aether Industries Limited

Table 2020-2025 Aether Industries Limited Delta-Valerolactone Product Capacity

Production Price Cost Production Value

Figure 2020-2025 Aether Industries Limited Delta-Valerolactone Capacity Production and Growth Rate

Figure 2020-2025 Aether Industries Limited Delta-Valerolactone Market Share

Table Changzhou Jintan Hengxin Chemical Information

Table SWOT Analysis of Changzhou Jintan Hengxin Chemical

Table 2020-2025 Changzhou Jintan Hengxin Chemical Delta-Valerolactone Product

Capacity Production Price Cost Production Value

Figure 2020-2025 Changzhou Jintan Hengxin Chemical Delta-Valerolactone Capacity Production and Growth Rate

Figure 2020-2025 Changzhou Jintan Hengxin Chemical Delta-Valerolactone Market Share

.....



I would like to order

Product name: Delta-Valerolactone Global Market Insights 2025, Analysis and Forecast to 2030, by

Manufacturers, Regions, Technology, Application

Product link: https://marketpublishers.com/r/D39CF53D5D15EN.html

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/D39CF53D5D15EN.html