

Pigments and Dyes: Market Research Report

<https://marketpublishers.com/r/P5F552964F7EN.html>

Date: January 2019

Pages: 601

Price: US\$ 5,800.00 (Single User License)

ID: P5F552964F7EN

Abstracts

This report analyzes the worldwide markets for Pigments and Dyes in US Thousand. Further, the market is analyzed in Tons by the following Product Segments: Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners, & Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides, & Other Inorganic Pigments), and Organic Pigments. Also, the report analyzes the global and regional markets in terms of sales value (US\$) for the overall pigments and dyes market.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 285 companies including many key and niche players such as

-

ALTANA AG

Asahi Songwon Colors Ltd.

Atul Ltd.

BASF SE

Cathay Industries USA

Clariant

Contents

1. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

2. INDUSTRY OVERVIEW

Pigments and Dyes: Enabling Efficient Color Solutions with Wide Applicability

Table 1. World Pigments Market by Application (2017): Percentage Breakdown of Value Sales for Construction, Paints & Coatings, Plastics, Printing Inks and Others (includes corresponding Graph/Chart)

Growth Drivers in a Nutshell

Pigments and Dyes: Fast Facts

Myriad Types, Characteristic Features, and Multiple Applications Drive Widespread Market Adoption

Dye Types, their Characteristic Features, and Applications

Types of Organic Pigments and their Characteristic Features

Types of Inorganic Pigments and their Characteristic Features

Stable Growth Projected over the Coming Years

Developing Regions Accelerate Market Expansion

Table 2. World Pigments and Dyes Market by Region (2018E & 2022P): Percentage Breakdown of Volume Sales for Developed Regions and Developing Regions (Asia-Pacific and Others) (includes corresponding Graph/Chart)

Table 3. Global Pigments and Dyes Market - Geographic Regions Ranked by CAGR (Volume) for 2015-2022: Asia-Pacific, Rest of World, Latin America, Canada, US, Europe, and Japan (includes corresponding Graph/Chart)

Asia-Pacific Continues to be the Largest and Fastest Growing Market Worldwide

Developed Regions Continue to Generate Significant Opportunities

Stable Economic Scenario to Aid Market Expansion

Table 4. World Real GDP Growth Rates in % (2016-2019P): Breakdown by Country/Region (includes corresponding Graph/Chart)

Progressive Momentum in Global Manufacturing PMI Underpins Volume Growth

Table 5. Global Manufacturing PMI: Monthly Index Points for the Period December 2016 to February 2018 (includes corresponding Graph/Chart)

3. MARKET TRENDS, ISSUES & DRIVERS

Increasing Competitiveness and Demanding Application Requirements Drive Demand for Special Effect and High Performance Pigments

Stringent Legislations

Sustainable Products with Superior Color Quality and Stability

Rising Prices of Pigment Intermediaries

Changing Consumer Preferences

Technological Innovations

Laminates Production & Furniture and Floor Coatings: Booming Applications

Newer Applications

Emerging Countries

Key Concerns

Increasing Sales of Coatings: An Opportunity Indicator

Table 6. Global Coatings Sales in Thousand Gallons: 2016, 2018, and 2020 (includes corresponding Graph/Chart)

Growing Adoption of Aluminum Pigments Drive Healthy Market Growth for Metallic Pigments

Silver Shades Based on Metallic Aluminum Flakes: The Preferred Choice

Asia-Pacific Turbo Charge Growth in Demand for Metallic Pigments

Growing Preference for Metallic Paints over Solid Paints

Increasing Substitution of Metallized Substrates with Metallic Inks

Stringent Regulations Shift Focus on Development of Sustainable Products

Graphic Arts: An Important End-use of Metallics

Innovation Drives Metallics Growth

Stable Automobiles Production Offers Growth Opportunities in the OEM Vertical

Table 7. World Production of Passenger Cars & Commercial Vehicles: Breakdown of Annual Production Figures in '000 Units for Years 2014, 2016, 2018E & 2020P (includes corresponding Graph/Chart)

Despite Challenges, Bright Future Ahead for Metallics
Growing Preference for Enhanced Performance Drives Demand for Textile Dyes
Disperse Dyes Sense Opportunities
Fashion Plays a Predominant Role
Asian Countries Hotspots for the Textile Dyes Market
Environmental Concerns Lead to Change in Dyes Product Mix in Textiles Industry
Paper Dyes Market Driven by Liquid Dyes

Table 8. World Paper Dyes Market by Type (2017): Percentage Breakdown of Value Sales for Liquid Dyes and Powered Dyes (includes corresponding Graph/Chart)

Increasing Significance of High-Value, Expensive Organic Pigments Benefit Market Expansion
Textiles and Plastics to Fuel Global Demand
Paints and Coatings to Represent Fastest-Growing Applications
Healthy Demand from Various Industries for Zinc Oxide Pigments
Expected Decline in Demand from Printing Inks Industry: A Major Concern for Organic Pigments Market
Booming Sleeve Labels Market Sustain Growth in Demand for Shrink Sleeve Label Printing Inks
Demand for Inorganic Pigments to Witness Noticeable Gains

Table 9. World Inorganic Pigments Market by Application (2017): Percentage Breakdown of Value Sales for Paints & Coatings, Plastics, Printing Inks and Others (includes corresponding Graph/Chart)

Exponential Increase in Urbanization to Drive Growth in the Inorganic Pigments Market

Table 10. World Urban Population in Thousands: 1950-2050P (includes corresponding Graph/Chart)

Table 11. Degree of Urbanization Worldwide: Urban Population as a % of Total Population by Geographic Region for the Years 1990, 2014 & 2050 (includes corresponding Graph/Chart)

Incomparable Usefulness in Multiple Applications Catapults TiO₂ Pigments to the Dominant Position

Table 12. World TiO₂ Pigments Market by Application (2017): Percentage Breakdown of Demand for Paints & Coatings, Paper, Plastics and Others (includes corresponding Graph/Chart)

Table 13. World TiO₂ Pigment Market by Geographic Region (2017): Percentage Breakdown of Volume Demand for Asia-Pacific, Europe, North America, and Rest of World (includes corresponding Graph/Chart)

Emerging Titanium Feedstock Processing Technologies

Table 14. World TiO₂ Market by Type (2017): Percentage Breakdown of Value Sales for Chloride and Sulfate (includes corresponding Graph/Chart)

Steadily Growing Applications of TiO₂ Pigments in a Nutshell

Key Challenges Hampering Market Prospects

Myriad Applications in the Construction Industry Drive Growth in Demand for Iron Oxide Pigments

Positive Outlook for the Global Construction Industry: An Important Opportunity Indicator

Table 15. Projected Expansion of the Construction Industry to Spur Opportunities for

Pigments & Dyes: World Construction Industry Size (in US\$ Trillion) for the Year 2010, 2016, 2020P & 2025P (includes corresponding Graph/Chart)

Table 16. Growth in the Global Construction Market by Sector (2013-2020) (includes corresponding Graph/Chart)

Table 17. Global Construction Market by Region (2015 & 2020P): Percentage Breakdown of Construction Spending for Asia, Western Europe, North America, Latin America, Eastern Europe, Africa, and Middle East (includes corresponding Graph/Chart)

Specialty Pigments Demonstrate Faster Growth

Table 18. World Specialty Pigments Market by Application (2017): Percentage Breakdown of Value Sales for Paints & Coatings, Plastics, Printing Inks and Others (includes corresponding Graph/Chart)

Fluorescent Dyes & Luminescent Pigments: Indispensable Tools in Security Applications and Medicine

Surging Demand for Environment Friendly Natural and Organic Dyes Lends Traction

Organic Dyes: A Popular Choice

Bio-Succinic Acid: An Environment Friendly Ingredient for the Pigments Industry

Table 19. Renewable Chemicals Market: Annual Savings of Greenhouse Gas Emissions by Type (CO₂ in Million Tons) (includes corresponding Graph/Chart)

Table 20. Carbon Dioxide Emissions (in Tons) Per Ton of Succinic Acid (includes corresponding Graph/Chart)

Blue Pigments Industry Faces Regulatory Issues

4. INNOVATIONS & ADVANCEMENTS

Advanced Metallic Pigments

Innovations in TiO₂ Pigments
Bio Inks: A High Potential Natural Substitute to Synthetic Dyes
Microalgae – and Microbes-Based Pigments: Novel, Innovative Pigment Pair
Borane to Replace Laser Dyes?
Use of Liposome-based Technology in Dyeing Processes
Parker's Biomimetics to Merge the Pigments and Polymers Industries
Recent Innovations in High Performance Pigments
Select Dyeing Technology Advancements
AirDye Technology
Ultrasonic Technology
Waterless Dyeing Technology
Limitations of Waterless Dyeing
Electrochemical Dyeing
Electrochemical Method based Vat Dyeing
Plasma Technology

5. PRODUCT OVERVIEW

Pigments
Organic Pigments
Synthetic Organic Pigments
Phthalocyanine Pigments
Diazo Pigments
Monoazo (Arylide)
Quinacridone Pigments
Other Polycyclic Pigments
Types of Organic Pigments Based on Quality
Flush Quality
Dispersion Quality
Microencapsulated Quality
Press Cake Quality
Toner Quality Powder
Classification of Organic Pigments Based on Color
Fluorescent Organic Pigments
Inorganic Pigments
Description
Classification
Titanium Dioxide
Titanium Dioxide Pigment – Production Process Overview

Sulphate Process
Chloride Process
Demand Scenario for TiO₂ Pigment
Cadmium Pigments
Carbon Black Pigments
Chromium Oxide Pigments
Iron Oxide Pigments
Lead Chromate Pigments
Ultramarine Pigments
Miscellaneous Pigments
Zinc Oxide Pigments
Zinc Sulphide Pigments
Complex Inorganic Color Pigments
Manganese Violet Pigments
Iron Blue Pigments
Bismuth Vanadate Pigments
Mica-Based Pearlescent Pigments
Metallic Pigments
Benzimidazolone AZO Pigments
Diketopyrrolopyrroles (DPP)
Quinoxalindione AZO
Dyes
Acetate Rayon Dyes
Acid Dyes
Basic Dyes
Direct Dyes
Disperse Dyes
Fiber Reactive Dyes
Vat Dyes
Fluorescent Brighteners
Sulfur Dyes
Miscellaneous Dyes
Kermesic Acid
Cochineal
Alizarin
Mauve
Pigments and Dyes: How they Differ

6. COMPETITIVE LANDSCAPE

Leading Players in the World Pigments and Dyes Market
Consolidation Continues to Mark the Global Pigments and Dyes Market
Select M&A Deals in the World Pigments & Dyes Market (2015-2018)
Manufacturers Focus on R&D investments
Meeting Consumer Expectations and Regulatory Concerns: Need of the Hour
Global TiO₂ Market Characterized by Intense Competition and High Entry Barriers

Table 21. Leading TiO₂ Producers Worldwide (2017): Percentage Breakdown of Production Capacity for Chemours, Cristal, Huntsman, Kronos, Tronox, and Others (includes corresponding Graph/Chart)

Key Challenges Faced by TiO₂ Producers Worldwide
Issues Related to Supply and Costs of Raw Materials
Pricing Pressures Affect Profitability of Industry Participants
Western TiO₂ Producers Eye Asian Markets

6.1 Focus on Select Global Players

ALTANA AG (Germany)
Asahi Songwon Colors Ltd. (India)
Atul Ltd. (India)
BASF SE (Germany)
Cathay Industries USA (USA)
Clariant (Switzerland)
Dainichiseika Color & Chemicals Mfg. Co., Ltd. (Japan)
DIC Corporation (Japan)
Sun Chemical Corporation (USA)
DyStar Singapore Pte. Ltd. (Singapore)
Ferro Corp. (USA)
Flint Group (Luxembourg)
Heubach GmbH (Germany)
Huntsman International, LLC (USA)
Ishihara Corp. (USA)
Kemira Oyj (Finland)
Keystone Aniline Corporation (USA)
Kronos Worldwide, Inc. (USA)
Lanxess AG (Germany)
Merck KGAA (Germany)

Organic Dyes and Pigments LLC (USA)
Silberline Manufacturing Co., Inc. (USA)
Sudarshan Chemical Industries Ltd. (India)
Synthesia A. S. (Czech Republic)
The Chemours Company (USA)
The Shepherd Color Company (USA)
Toyo Ink SC Holdings Co., Ltd. (Japan)
Tronox, Inc. (USA)

6.2 Product Launches

Hoover Color Introduces EnvironOxide Iron Oxide Pigments
Sun Chemical Launches SunCure Aspire UV Offset Ink
BASF Rolls Out eXpand! Red Pigment for Automotive Coatings
BASF Develops New Collection of Sparkling UV Shades
Clariant Unveils Ink Jet Orange GR VP6102 and Ink Jet Magenta E-S VP6057 Pigments
DyStar Develops Environmentally Viable Indigo Spray Dyeing Procedure
Huntsman Develops HOMBITAN AFDC 101 TiO₂ Pigment
Sun Chemical Introduces Sunbrite Yellow 74 High Performance Pigment
Shepherd Color Bags EPA Approval for YInMn Blue Pigment
Sun Chemical Unveils New Sunbrite, Perrindo, and Quindo Pigments
Merck Rolls Out Meoxal Victoria Red & Xirallic NXT Cougar Red
LANXESS Introduces New Bayferrox Iron Oxide Red Pigments
Venator Launches ALTIRIS W400 TiO₂ Pigment
Clariant Rolls Out Hostatint A 100-ST Pigment

6.3 Recent Industry Activity

Ferro Pigments Teams Up with Terra Firma
Heubach Commissions Anti-Corrosive Pigments Facility in Philadelphia
Dominion Colour Consolidates Gemini Dispersions Subsidiary
Organic Dyes and Pigments Inks Exclusive Partnership with Farbenpunkt
Dow Opens New Regional Sales Center in Toronto
SABIC to Acquire Minority Stake in Clariant
X-Rite Teams Up with Flint Group
Clariant Inks New Partnership with Interplast
DIC Australia Acquires Avlo
Tronox Extends Finalization of Cristal's TiO₂ Division Acquisition
Tronox Inks Option Agreement to Acquire Majority of AMIC's Jazan Titanium Slagger Operations
Chemours to Establish Chemours Discovery Hub
Chromaflo Technologies Acquires Elementis Specialties' Tint-Ayd Colorants Portfolio

Organic Dyes & Pigments Acquires Eastern Color & Chemical Company
Milliken Chemical Acquires Keystone Aniline
DIC to Expand Blue Pigments Production at Kashima Plant
BASF Collaborates with Landa Labs for Nano-Pigment Technology
Lanxess to Increase Iron Oxide Pigment Production
Ferromont Shareholders' Approval for Partnership with DIC
Ferro Acquires Endeka Group
KRONOS Inks Distribution Deal with Brenntag
Chromaflo Technologies Inaugurates New Plant in India

7. GLOBAL MARKET PERSPECTIVE

A. Volume Analytics

Table 22. World Recent Past, Current & Future Analysis for Pigments & Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 23. World Historic Review for Pigments & Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 24. World 14-Year Perspective for Pigments & Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Dyes Market

Table 25. World Recent Past, Current & Future Analysis for Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 26. World Historic Review for Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 27. World 14-Year Perspective for Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 28. World Recent Past, Current & Future Analysis for Dyes by Product Segment - Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 29. World Historic Review for Dyes by Product Segment - Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 30. World 14-Year Perspective for Dyes by product segment - Percentage Breakdown of Volume Sales for Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 31. World Recent Past, Current & Future Analysis for Acid Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 32. World Historic Review for Acid Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 33. World 14-Year Perspective for Acid Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022

(includes corresponding Graph/Chart)

Table 34. World Recent Past, Current & Future Analysis for Basic Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 35. World Historic Review for Basic Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 36. World 14-Year Perspective for Basic Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 37. World Recent Past, Current & Future Analysis for Direct Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 38. World Historic Review for Direct Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 39. World 14-Year Perspective for Direct Dyes by Geographic Region – Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 40. World Recent Past, Current & Future Analysis for Disperse Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 41. World Historic Review for Disperse Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of

World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 42. World 14-Year Perspective for Disperse Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 43. World Recent Past, Current & Future Analysis for Fiber Reactive Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 44. World Historic Review for Fiber Reactive Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 45. World 14-Year Perspective for Fiber Reactive Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 46. World Recent Past, Current & Future Analysis for Vat Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 47. World Historic Review for Vat Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 48. World 14-Year Perspective for Vat Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 49. World Recent Past, Current & Future Analysis for Fluorescent Brighteners by

Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 50. World Historic Review for Fluorescent Brighteners by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 51. World 14-Year Perspective for Fluorescent Brighteners by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 52. World Recent Past, Current & Future Analysis for Other Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 53. World Historic Review for Other Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 54. World 14-Year Perspective for Other Dyes by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Pigments Market

Table 55. World Recent Past, Current & Future Analysis for Inorganic Pigments by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 56. World Historic Review for Inorganic Pigments by Geographic Region - US,

Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 57. World 14-Year Perspective for Inorganic Pigments by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 58. World Recent Past, Current & Future Analysis for Inorganic Pigments by Product Segment - Titanium Dioxide, Iron Oxides and Other Inorganic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 59. World Historic Review for Inorganic Pigments by Product Segment - Titanium Dioxide, Iron Oxides and Other Inorganic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 60. World 14-Year Perspective for Inorganic Pigments by product Segment - Percentage Breakdown of Volume Sales for Titanium Dioxide, Iron Oxides and Other Inorganic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 61. World Recent Past, Current & Future Analysis for Titanium Dioxide by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 62. World Historic Review for Titanium Dioxide by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 63. World 14-Year Perspective for Titanium Dioxide by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 64. World Recent Past, Current & Future Analysis for Iron Oxides by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 65. World Historic Review for Iron Oxides by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 66. World 14-Year Perspective for Iron Oxides by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 67. World Recent Past, Current & Future Analysis for Other Inorganic Pigments by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 68. World Historic Review for Other Inorganic Pigments by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 69. World 14-Year Perspective for Other Inorganic Pigments by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 70. World Recent Past, Current & Future Analysis for Organic Pigments by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 71. World Historic Review for Organic Pigments by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 72. World 14-Year Perspective for Organic Pigments by Geographic Region - Percentage Breakdown of Volume Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

B. Value Analytics

Table 73. World Recent Past, Current & Future Analysis for Pigments & Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 74. World Historic Review for Pigments & Dyes by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 75. World 14-Year Perspective for Pigments & Dyes by Geographic Region - Percentage Breakdown of Value Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8. REGIONAL MARKET PERSPECTIVE

8.1 The United States

A. Market Analysis

The United States: A Major Market for Pigments & Dyes

Table 76. US Pigments and Dyes Market by Application (2017): Percentage Breakdown of Demand for Food & Beverages, Paints & Coatings, Paper & Others, Plastics, Printing Inks, and Textiles (includes corresponding Graph/Chart)

Future Prospects Remain Favorable

Printing Inks: The Fastest Growing End-use Market for Pigments

US Textile Dye Industry: An Overview

Rising Usage in Ferrites Drive Demand for Iron Oxide Pigments

Table 77. US Production of Iron Oxide Pigment: 2013-2017 (In Metric Tons) (includes corresponding Graph/Chart)

Table 78. US Iron Oxide Pigments Market by Type (2017): Percentage Breakdown of Value Sales for Natural and Synthetic Iron Oxide Pigments (includes corresponding Graph/Chart)

Table 79. US Iron Oxide Pigments Market by End-use Segment (2017): Percentage Breakdown of Sales for Construction, Coatings, Foundry, and Others (includes corresponding Graph/Chart)

Titanium Dioxide Pigments Production Witness Steady Improvement

Table 80. US Production of Titanium Dioxide (TiO₂) Pigment: 2013-2017 (In '000 Metric Tons) (includes corresponding Graph/Chart)

High Performance Pigments Gain Traction
Consolidation: A Prominent Industry Trend
Asian Producers Target Export Market
B. Market Analytics

Table 81. The US Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 82. The US Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently

Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 83. The US 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 84. US Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 85. US Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

8.2 Canada Market Analysis

Table 86. Canadian Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 87. Canadian Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 88. Canadian 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes,

Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 89. Canadian Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 90. Canadian Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

8.3 Japan Market Analysis

Table 91. Japanese Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 92. Japanese Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 93. Japanese 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 94. Japanese Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 95. Japanese Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

8.4 Europe

A. Market Analysis

A Mature yet Growing Market

Rising Demand for High-End Pigments Drives Market Growth

High Performance Pigments Accelerate Market Expansion

Manufacturers Focus on Specialty Customized Pigments

Achieving Variations in Surfaces, Shapes, and Sizes: Focus of Latest Innovations

Re-migration of Textile Printing Benefits Local Pigment Manufacturers

Unique Water Clean-up Technology Finds Application Potential in Textile Industry

Chinese and Indian Producers Dominate European Pigments Market

Market for Effect Pigments

Regulatory Scenario

REACH Regulations

New Legislation for Azoic Dyes

Regulations-Driven High Temperature Production: A Key Challenge

Stringent Standards & Regulations Help Companies Gain Competitive Edge

B. Market Analytics

Table 96. European Recent Past, Current & Future Analysis for Pigments & Dyes by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 97. European Historic Review for Pigments & Dyes by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 98. European 14-Year Perspective for Pigments & Dyes by Geographic Region -

Percentage Breakdown of Volume Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 99. European Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 100. European Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 101. European 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 102. European Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 103. European Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

8.4.1 France Market Analysis

Table 104. French Recent Past, Current & Future Analysis for Pigments & Dyes by

Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 105. French Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 106. French 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.4.2 Germany Market Analysis

Table 107. German Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 108. German Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 109. German 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.4.3 Italy Market Analysis

Table 110. Italian Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 111. Italian Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 112. Italian 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.4.4 The United Kingdom A. Market Analysis UK Pigments & Dyes Market – An Overview Slow and Steady Growth Projected B. Market Analytics

Table 113. The UK Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 114. The UK Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 115. The UK 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.4.5 Spain Market Analysis

Table 116. Spanish Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 117. Spanish Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently

Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 118. Spanish 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.4.6 Russia Market Analysis

Table 119. Russian Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 120. Russian Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 121. Russian 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.4.7 Rest of Europe Market Analysis

Table 122. Rest of European Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 123. Rest of European Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 124. Rest of European 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.5 Asia-Pacific

A. Market Analysis

Asia-Pacific: Largest & Fastest Growing Regional Market

Outlook Remains Promising

Asia: A Major Market for Textile Dyes

Agricultural Pigments and Dyes in Demand

Pigment Producers Target South East Asian Countries to Boost Profitability

Titanium Dioxide Pigment Market to Surge

B. Market Analytics

Table 125. Asia-Pacific Recent Past, Current & Future Analysis for Pigments & Dyes by Geographic Region - China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 126. Asia-Pacific Historic Review for Pigments & Dyes by Geographic Region - China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 127. Asia-Pacific 14-Year Perspective for Pigments & Dyes by Geographic Region - Percentage Breakdown of Volume Sales for China, India, and Rest of Asia-Pacific Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 128. Asia-Pacific Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 129. Asia-Pacific Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 130. Asia-Pacific 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 131. Asia-Pacific Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 132. Asia-Pacific Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

8.5.1 China

A. Market Analysis

China Dominates the World Pigments & Dyes Market

Table 133. China Accounts for nearly 1/3rd Share of the World Pigments and Dyes Market (2018E & 2022P): Percentage Breakdown of Volume Sales for China and Rest of World (includes corresponding Graph/Chart)

Steady Growth in Production over the Years Steers Momentum

Market Gains from Sluggish Production Scenario in the Western World

China Leads Dyestuffs Production & Exports

Entering a Restructuring Phase

Rapid Promotion of Product Brands

Improved Innovative Ability

Direct Dyes: Large Production but Little Variety

Pigments Market Overview

Thriving Chinese Pigment Industry

China: The Largest Inorganic Pigments Consumer

Phthalocyanine Blue Industry Faces Challenges

Iron Oxide: A Potential Market

Titanium Dioxide: Concerns Mount Over the Availability of Titanium Feedstock

Table 134. Chinese TiO₂ Market by Application (2017): Percentage Breakdown of Volume Consumption for Paints & Coatings, Plastics and Others (includes corresponding Graph/Chart)

Growth in the Titanium Dioxide Market

Market Consolidation to Ease Oversupply Conditions

High Performance Pigments Poised to Make Gains

Issues Persist, Challenging Future Growth

Regulations

B. Market Analytics

Table 135. Chinese Recent Past, Current & Future Analysis for Pigments & Dyes by

Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 136. Chinese Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 137. Chinese 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.5.2 India

A. Market Analysis

India: A Leading Producer and Fastest Growing Market Worldwide
Pigment and Dye Production Landscape

Table 138. Indian Dyes Market by Type (2017): Percentage Breakdown of Production Volume for Acid Direct Dyes, Azo Dyes, Disperse Dyes, Reactive Dyes, Solvent Dyes, Sulphur Dyes, and Vat Dyes (includes corresponding Graph/Chart)

Table 139. Organic Pigments Market in India by Type (2017): Percentage Share Breakdown of Installed Capacity and Actual Production Volume for Optical Whitening Agents, Organic Pigments, and Pigment Emulsion (includes corresponding Graph/Chart)

Table 140. Inorganic Pigments Market in India by Type (2017): Percentage Share Breakdown of Installed Capacity and Actual Production Volume for Carbon Black and Titanium Dioxide (includes corresponding Graph/Chart)

Table 141. Indian Pearlescent Pigment Market by Type (2017): Percentage Breakdown of Value Sales for Iron Oxide Mica, Natural Pearl, TiO₂ Mica and Others (includes corresponding Graph/Chart)

Enforcement of Norms in China: A Boon for Indian Players
Lower Cost and Higher Quality Products Drive Market Demand
Paints, Coatings, and Printing Inks Dominate Pigment Consumption
Domestic Paint Industry Offers Lucrative Growth Opportunities
Exceptional Growth Marks the Recent Decades

Table 142. Indian Organic Pigments Market by Application (2017): Percentage Breakdown for Paints and Coatings, Plastics, Printing Inks, Textiles, and Others (includes corresponding Graph/Chart)

Textile Industry Dominates Dyestuff Consumption in India

Table 143. Indian Dyes Market by Application (2017): Percentage Breakdown for Food, Leather, Paper, Textiles, and Others (includes corresponding Graph/Chart)

Huge Textile Industry Base Drive Shifting of Manufacturing Units to Asia
Domestic Manufacturing Set-Up
Future Outlook for the Indian Dyestuff Market
Indian Colorant Industry: A Macro Perspective
Competitive Landscape

Table 144. Leading Pigment Companies in India (2017): Percentage Breakdown of Sales for Asahi Songwon, Clariant India, Heubach, Meghmani, Sudarshan, and Others (includes corresponding Graph/Chart)

European REACH Compliance Benefit Leading Players
Differentiated Product Portfolio: Stepping Stone for Success in the Marketplace
Niche Pigment and Dye Manufacturers in India: Snapshot Profiles

Aarti Industries
Neelikon Food Dyes & Chemicals
Other Key & Leading Players
Export Scenario
Key Challenges & Issues Hampering Market Prospects
B. Market Analytics

Table 145. Indian Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 146. Indian Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 147. Indian 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.5.3 Rest of Asia-Pacific Market Analysis

Table 148. Rest of Asia-Pacific Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years

2015 through 2022 (includes corresponding Graph/Chart)

Table 149. Rest of Asia-Pacific Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 150. Rest of Asia-Pacific 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.6 Latin America Market Analysis

Table 151. Latin American Recent Past, Current & Future Analysis for Pigments & Dyes by Geographic Region - Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 152. Latin American Historic Review for Pigments & Dyes by Geographic Region - Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 153. Latin American 14-Year Perspective for Pigments & Dyes by Geographic Region - Percentage Breakdown of Volume Sales for Brazil, and Rest of Latin America Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 154. Latin American Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015

through 2022 (includes corresponding Graph/Chart)

Table 155. Latin American Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 156. Latin American 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 157. Latin American Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 158. Latin American Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

8.6.1 Brazil

Market Analysis

Table 159. Brazilian Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 160. Brazilian Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron

Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 161. Brazilian 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.6.2 Rest of Latin America Market Analysis

Table 162. Rest of Latin American Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 163. Rest of Latin American Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 164. Rest of Latin American 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

8.7 Rest of World

Market Analysis

Table 165. Rest of World Recent Past, Current & Future Analysis for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 166. Rest of World Historic Review for Pigments & Dyes by Product Segment - Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets Independently Analyzed with Annual Sales Figures in Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 167. Rest of World 14-Year Perspective for Pigments & Dyes by Product Segment - Percentage Breakdown of Volume Sales for Dyes (Acid Dyes, Basic Dyes, Direct Dyes, Disperse Dyes, Fiber Reactive Dyes, Vat Dyes, Fluorescent Brighteners and Other Dyes), Inorganic Pigments (Titanium Dioxide, Iron Oxides and Other Inorganic Pigments), and Organic Pigments Markets for Years 2009, 2018 & 2022 (includes corresponding Graph/Chart)

Table 168. Rest of World Recent Past, Current & Future Analysis for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 169. Rest of World Historic Review for Pigments & Dyes Market Analyzed with Annual Sales Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

9. COMPANY PROFILES

Total Companies Profiled: 285 (including Divisions/Subsidiaries - 303)

The United States (37)

Canada (2)

Japan (11)

Europe (98)

France (2)
Germany (30)
The United Kingdom (17)
Italy (13)
Spain (7)
Rest of Europe (29)
Asia-Pacific (Excluding Japan) (152)
Latin America (2)
Africa (1)

I would like to order

Product name: Pigments and Dyes: Market Research Report

Product link: <https://marketpublishers.com/r/P5F552964F7EN.html>

Price: US\$ 5,800.00 (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/P5F552964F7EN.html>