

# **Global Wax Additives Market: Analysis By Material (Natural, Semi-synthetic, and Synthetic), By Type (Dispersion, Emulsion, and Micronized), By Application (Coatings, Leather Finishing, Printing Ink, Candles, and Other Applications), By Region Size and Trends with Impact of COVID-19 and Forecast up to 2029**

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## **Abstracts**

Wax additives are surface modifiers that enhance and protect the appearance, feel, slip, durability, abrasion, & scratch-resistance of inks & coatings. Wax additives are substances designed to modify coated surfaces through unique performance benefits for specific applications, including metal, wood, printing, packaging, etc. The global wax additives market value stood at US\$1.64 billion in 2023, and is expected to reach US\$2.18 billion by 2029.

The global wax additives market has seen steady growth in recent years, driven by several key factors, including rapid industrialization, rising consumer disposable income, a growing global construction industry, rising demand of inks, varnishes and architectural coatings, an increased need for special effect waxes in candles and packaging for aesthetic appeal, and rising demand for improved wax formulations in products like lipsticks and skincare items. In addition, rapid adoption of electric vehicles (EVs), ongoing development of antimicrobial wax additives, increased focus on VOC-compliant wax additives, growing awareness about the benefits of wax additives, and emerging demand for bio-based wax additives will continue to boost the growth of global wax additive market over the forecasted period. The market is expected to grow at a CAGR of 4.85% over the projected period of 2024-2029.

## Market Segmentation Analysis:

**By Material:** The report provides the bifurcation of the global wax additives market into three segments on the basis of material, namely, natural, semi-synthetic, and synthetic. Semi-synthetic is the largest segment of global wax additives market as a result of rapidly expanding automotive sector, increasing construction activities in emerging economies, enhanced shelf-life & compatibility of semi-synthetic additives, presence of widespread availability and established supply chains for semi-synthetic waxes, increased need for high-durability coatings and surface treatments in industrial equipment and protective architectural coatings, and ongoing technological advancements in the modification of natural waxes. Natural wax additives is the fastest growing segment of global wax additives market owing to rising demand for eco-friendly bio-based products, compliance of natural additives with clean label standards, increasing demand in personal care and cosmetic applications due to their safe hypoallergenic properties, rising preference for natural wax additives in the food packaging & processing, ongoing advancements in natural wax extraction and processing technologies, heightened consumer awareness about the ingredients in products, and increased focus of companies on reducing carbon footprint.

**By Type:** The report provides the bifurcation of the global wax additives market into three segments on the basis of type, namely, dispersion, emulsion, and micronized. Dispersion wax additives is the largest and fastest growing segment of global wax additives market as a result of increasing demand in paints, coatings, and inks industry, growing demand for surface protection in automotive sector, rising demand for consumer goods, ongoing advancements in formulation technology, increasing regulatory pressures mandating the reduction of volatile organic compounds (VOCs), and growing use in a wide range of industrial applications, including automotive coatings, wood finishes, and packaging, where they provide properties such as scratch resistance, improved durability, and anti-slip.

**By Application:** The report provides the bifurcation of the global wax additives market into five segments on the basis of type, namely, coatings, leather finishing, printing ink, candles, and other applications. Coatings is the largest and fastest growing segment of global wax additives market owing to rapid urbanization, rising demand in automotive and construction sectors, increasing government focus on infrastructure development, rising demand for high-performance & specialty coatings in electronics and industrial equipment, increasing consumer demand for premium finishes in consumer products, furniture, and packaging sector, and increasing use of protective coatings in aerospace sector to improve weather resistance and durability.

**By Region:** The report provides insight into the global wax additives market based on regions namely, North America, Europe, Asia Pacific, and rest of the world. Asia Pacific is the largest and fastest growing region of global wax additive market as a result of rapidly expanding construction industry, increasing demand for high-quality paints and coatings, positively growing middle-class population, rising e-commerce sector, robust growth of cosmetics & personal care sector, favorable government policies supporting local manufacturing and investments in infrastructure, increasing demand for packaged consumer goods, and rapidly expanding manufacturing bases and investments in infrastructure development across countries like China, India, and Japan. Asia Pacific is a major manufacturing hub, particularly in countries like China, Japan, South Korea, and India. The large-scale production of automotive, electronics, textiles, and chemicals will continue to drive the demand for wax additives used in coatings, lubricants, and processing aids across these industries in the region. Asia Pacific wax additives market is divided into five regions on the basis of geographical operations, namely, China, Japan, India, South Korea, and rest of Asia Pacific, where the China is the largest, and India is the fastest growing region of Asia Pacific wax additives market.

Europe wax additives market has been positively growing over the years as a result of strong printing and publishing sector, flourishing e-commerce and online retail, positive growth in the luxury goods market, country's strong manufacturing and industrial base, high demand in the packaging industry, increasing consumer demand for bio-based & sustainable wax additives, growing preference for premium personal care products, and strong presence of leading chemical companies, such as BASF SE, Arkema, Evonik Industries AG, BYK, M?nzing Corporation, etc., that specializes in developing and producing wax additives in the region.

#### Market Dynamics:

**Growth Drivers:** The global wax additives market has been rapidly growing over the past few years, due to factors such as increasing industrial wax production, growing consumption of candles in home decor and health centers, positive expansion of automotive industry, increasing use of wax additives in coatings and paints, rising demand in packaging industry, etc. Industrial waxes are used across a wide range of applications, including in coatings, paints, cosmetics, plastics, and adhesives, so as wax production increases, so does the demand for wax additives, needed to improve the performance, durability, water resistance, and aesthetic properties of wax-based products. Wax additives enhance processing capabilities by improving flow, melting behavior, and dispersion characteristics of waxes. This increases efficiency in

production processes, which is essential as industrial wax production scales up and seeks to maximize productivity. Moreover, wax additives are in higher demand to modify the surface characteristics of plastics & composites in vehicle manufacturing, such as slip, gloss, and abrasion resistance. So, as the automotive industry grows, so does the demand for high-quality coatings, boosting the growth of global wax additives market in the forecasted period.

**Challenges:** However, the global wax additives market growth would be negatively impacted by various challenges such as, volatility in crude oil price, environmental and regulatory pressures, etc. Wax additive costs are determined by the cost of the raw materials used in their manufacture, the state of the economy in particular nations, and governmental regulations. Wax additives are produced from natural sources as well as petroleum-based sources such as microcrystalline and paraffin wax. These raw materials, which include polypropylene, polyethylene, and Fischer-Tropsch wax, are derived from petroleum residues. Therefore, with crude oil being the primary raw materials of wax additives, the fluctuating prices of crude oil is expected to create volatility in final prices of wax additives, impeding the growth of global wax additives market in the forecasted period.

**Trends:** The global wax additives market is projected to grow at a fast pace during the forecasted period, owing to, emerging applications in personal care and cosmetics industry, rapid expansion of construction industry, growing emphasis on sustainability, positive shift toward customized wax additives, ongoing advancements in printing ink technology, etc. Wax additives provide protective qualities, such as water repellency, scratch resistance, and chemical resistance, essential for coatings used on construction materials. As the construction sector grows, especially in residential, commercial, and infrastructure projects, the demand for these durable, high-quality finishes increases, supporting market growth. Also, growing emphasis on sustainability has driven the demand for eco-friendly wax additives, as manufacturers seek environmentally responsible solutions. Rising demand for wax additives derived from natural, renewable resources like soy, palm, and beeswax, which offer a sustainable alternative to petroleum-based products is expected to augment the growth of global wax additives market in the forecasted period. Moreover, wax additives play a key role in enhancing the stability and longevity of color cosmetics like lipsticks, eyeshadows, and blushes. They help maintain the product's consistency and pigment integrity over time, addressing consumer demand for long-lasting makeup product.

**Impact Analysis of COVID-19 and Way Forward:**

COVID-19 brought in many changes in the world in terms of reduced productivity, loss of life, business closures, closing down of factories and organizations, and shift to an online mode of work. The growth of global wax additives market was negatively impacted during the period 2019-2020. Lockdown policies imposed by the government to prevent the spread of virus forced wax additive manufacturers and other end user industries to either shut down or run low on production capacity, resulting in lower production and demand of wax additives in applications including, coatings, paints, adhesives, candles, etc., impeding the growth of the global wax additives market during the period, 2019-2020. Also, COVID-19 pandemic was associated with a shift in demand towards essential items such as medical supplies, food, and hygiene products, as well as a decline in demand for non-essential goods such as cosmetics, candles, coatings, and so on, all of which rely heavily on wax additives, leaving sectors such as personal care, automotive, and construction with lower priority and demand.

#### Competitive Landscape:

The global wax additives market is fragmented, with large number of companies, ranging from established brands to smaller regional players and niche manufacturers catering to the industry demand. The key players of the market are:

BASF SE  
Arkema  
Honeywell International Inc.  
Evonik Industries AG  
Clariant AG  
ALTANA (BYK)  
The Lubrizol Corporation  
M?nzing Corporation  
TianshiWax  
Paramold Manufacturing LLC  
Deuteron GmbH

## Contents

### 1. EXECUTIVE SUMMARY

### 2. INTRODUCTION

#### 2.1 Wax Additives: An Overview

##### 2.1.1 Wax Additives: An Introduction

#### 2.2 Wax Additives Segmentation: An Overview

##### 2.2.1 Wax Additives Segmentation

### 3. GLOBAL MARKET ANALYSIS

#### 3.1 Global Wax Additives Market: An Analysis

##### 3.1.1 Global Wax Additives Market: An Overview

##### 3.1.2 Global Wax Additives Market by Value

##### 3.1.3 Global Wax Additives Market by Material (Natural, Semi-Synthetic, and Synthetic)

##### 3.1.4 Global Wax Additives Market by Type (Dispersion, Emulsion, and Micronized)

##### 3.1.5 Global Wax Additives Market by Application (Coatings, Leather Finishing, Printing Ink, Candles, and Other Applications)

##### 3.1.6 Global Wax Additives Market by Region (North America, Europe, Asia Pacific, and Rest of the world)

#### 3.2 Global Wax Additives Market: Material Analysis

##### 3.2.1 Global Wax Additives Market: Material Overview

##### 3.2.2 Global Semi-synthetic Wax Additives Market by Value

##### 3.2.3 Global Synthetic Wax Additives Market by Value

##### 3.2.4 Global Natural Wax Additives Market by Value

#### 3.3 Global Wax Additives Market: Type Analysis

##### 3.3.1 Global Wax Additives Market: Type Overview

##### 3.3.2 Global Dispersion Wax Additives Market by Value

##### 3.3.3 Global Emulsion Wax Additives Market by Value

##### 3.3.4 Global Micronized Wax Additives Market by Value

#### 3.4 Global Wax Additives Market: Application Analysis

##### 3.4.1 Global Wax Additives Market: Application Overview

##### 3.4.2 Global Coatings Wax Additives Market by Value

##### 3.4.3 Global Candles Wax Additives Market by Value

##### 3.4.4 Global Printing Ink Wax Additives Market by Value

##### 3.4.5 Global Leather Finishing Wax Additives Market by Value

### 3.4.6 Global Other Applications Wax Additives Market by Value

## 4. REGIONAL MARKET ANALYSIS

### 4.1 Asia Pacific Wax Additives Market: An Analysis

#### 4.1.1 Asia Pacific Wax Additives Market: An Overview

#### 4.1.2 Asia Pacific Wax Additives Market by Value

#### 4.1.3 Asia Pacific Wax Additives Market by Region (China, Japan, India, South Korea and rest of Asia Pacific)

#### 4.1.4 China Wax Additives Market by Value

#### 4.1.5 India Wax Additives Market by Value

#### 4.1.6 Japan Wax Additives Market by Value

#### 4.1.7 South Korea Wax Additives Market by Value

#### 4.1.8 Rest of Asia Pacific Wax Additives Market by Value

### 4.2 Europe Wax Additives Market: An Analysis

#### 4.2.1 Europe Wax Additives Market: An Overview

#### 4.2.2 Europe Wax Additives Market by Value

#### 4.2.3 Europe Wax Additives Market by Region (Germany, UK, France, Italy, and rest of Europe)

#### 4.2.4 Germany Wax Additives Market by Value

#### 4.2.5 UK Wax Additives Market by Value

#### 4.2.6 France Wax Additives Market by Value

#### 4.2.7 Italy Wax Additives Market by Value

#### 4.2.8 Rest of Europe Wax Additives Market by Value

### 4.3 North America Wax Additives Market: An Analysis

#### 4.3.1 North America Wax Additives Market: An Overview

#### 4.3.2 North America Wax Additives Market by Value

#### 4.3.3 North America Wax Additives Market by Region (The US, Canada, and Mexico)

#### 4.3.4 The US Wax Additives Market by Value

#### 4.3.5 Canada Wax Additives Market by Value

#### 4.3.6 Mexico Wax Additives Market by Value

### 4.4 Rest of the World Wax Additives Market: An Analysis

#### 4.4.1 Rest of the World Wax Additives Market: An Overview

#### 4.4.2 Rest of the World Wax Additives Market by Value

## 5. IMPACT OF COVID-19

### 5.1 Impact of COVID-19 on Global Wax Additives Market

### 5.2 Post COVID-19 Impact on Global Wax Additives Market

## **6. MARKET DYNAMICS**

### 6.1 Growth Drivers

- 6.1.1 Increasing Industrial Wax Production
- 6.1.2 Growing Consumption Of Candles In Home Decor And Health Centers
- 6.1.3 Positive Expansion of Automotive Industry
- 6.1.4 Increasing Use of Wax Additives in Coatings and Paints
- 6.1.5 Rising Demand In Packaging Industry

### 6.2 Challenges

- 6.2.1 Volatility In Crude Oil Price
- 6.2.2 Environmental and Regulatory Pressures

### 6.3 Market Trends

- 6.3.1 Emerging Applications in Personal Care and Cosmetics Industry
- 6.3.2 Rapid Expansion of Construction Industry
- 6.3.3 Growing Emphasis on Sustainability
- 6.3.4 Positive Shift Toward Customized Wax Additives
- 6.3.5 Ongoing Advancements in Printing Ink Technology

## **7. COMPETITIVE LANDSCAPE**

### 7.1 Global Wax Additives Market: Competitive Landscape

### 7.2 Global Wax Additives Market: Product Comparison

## **8. COMPANY PROFILES**

### 8.1 BASF SE

- 8.1.1 Business Overview
- 8.1.2 Operating Segments
- 8.1.3 Business Strategy

### 8.2 Arkema

- 8.2.1 Business Overview
- 8.2.2 Operating Segments
- 8.2.3 Business Strategy

### 8.3 Honeywell International Inc.

- 8.3.1 Business Overview
- 8.3.2 Operating Segments
- 8.3.3 Business Strategy

### 8.4 Evonik Industries AG



- 8.4.1 Business Overview
- 8.4.2 Operating Segments
- 8.4.3 Business Strategy
- 8.5 Clariant AG
  - 8.5.1 Business Overview
  - 8.5.2 Operating Segments
  - 8.5.3 Business Strategy
- 8.6 ALTANA (BYK)
  - 8.6.1 Business Overview
  - 8.6.2 Sales by Division
  - 8.6.3 Business Strategy
- 8.7 The Lubrizol Corporation
  - 8.7.1 Business Overview
  - 8.7.2 Business Strategy
- 8.8 M?nzing Corporation
  - 8.8.1 Business Overview
  - 8.8.2 Business Strategy
- 8.9 TianshiWax
  - 8.9.1 Business Overview
- 8.10 Paramold Manufacturing LLC
  - 8.10.1 Business Overview
- 8.11 Deuteron GmbH
  - 8.11.1 Business Overview

## List Of Figures

### LIST OF FIGURES

Figure 1: Wax Additives Segmentation

Figure 2: Global Wax Additives Market by Value; 2019-2023 (US\$ Billion)

Figure 3: Global Wax Additives Market by Value; 2024-2029 (US\$ Billion)

Figure 4: Global Wax Additives Market by Material; 2023 (Percentage, %)

Figure 5: Global Wax Additives Market by Type; 2023 (Percentage, %)

Figure 6: Global Wax Additives Market by Application; 2023 (Percentage, %)

Figure 7: Global Wax Additives Market by Region; 2023 (Percentage, %)

Figure 8: Global Semi-synthetic Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 9: Global Semi-synthetic Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 10: Global Synthetic Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 11: Global Synthetic Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 12: Global Natural Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 13: Global Natural Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 14: Global Dispersion Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 15: Global Dispersion Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 16: Global Emulsion Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 17: Global Emulsion Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 18: Global Micronized Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 19: Global Micronized Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 20: Global Coatings Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 21: Global Coatings Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 22: Global Candles Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 23: Global Candles Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 24: Global Printing Ink Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 25: Global Printing Ink Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 26: Global Leather Finishing Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 27: Global Leather Finishing Wax Additives Market by Value; 2024-2029 (US\$ Million)

Figure 28: Global Other Applications Wax Additives Market by Value; 2019-2023 (US\$ Million)

Figure 29: Global Other Applications Wax Additives Market by Value; 2024-2029 (US\$ Million)

- Figure 30: Asia Pacific Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 31: Asia Pacific Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 32: Asia Pacific Wax Additives Market by Region; 2023 (Percentage, %)
- Figure 33: China Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 34: China Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 35: India Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 36: India Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 37: Japan Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 38: Japan Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 39: South Korea Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 40: South Korea Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 41: Rest of Asia Pacific Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 42: Rest of Asia Pacific Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 43: Europe Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 44: Europe Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 45: Europe Wax Additives Market by Region; 2023 (Percentage, %)
- Figure 46: Germany Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 47: Germany Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 48: UK Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 49: UK Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 50: France Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 51: France Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 52: Italy Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 53: Italy Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 54: Rest of Europe Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 55: Rest of Europe Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 56: North America Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 57: North America Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 58: North America Wax Additives Market by Region; 2023 (Percentage, %)
- Figure 59: The US Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 60: The US Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 61: Canada Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 62: Canada Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 63: Mexico Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 64: Mexico Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 65: Rest of the World Wax Additives Market by Value; 2019-2023 (US\$ Million)
- Figure 66: Rest of the World Wax Additives Market by Value; 2024-2029 (US\$ Million)
- Figure 67: Global Market Volume Of Industrial Wax; 2018-2025 (Million Metric Tons)
- Figure 68: Global Candles Market Revenue; 2019-2026 (US\$ Billion)

Figure 69: Global Passenger Car Production; 2019-2023 (Million Unit)

Figure 70: Crude Oil WTI Prices; 2020-2024 (US\$/Bbl)

Figure 71: Global Cosmetics And Personal Care Market Size; 2022–2026 (US\$ Billion)

Figure 72: The US Construction Spending; March 2024- July 2024 (US\$ Billion)

Figure 73: BASF SE Sales by Segments; 2023 (Percentage, %)

Figure 74: Arkema Sales by Segment; 2023 (Percentage, %)

Figure 75: Honeywell International Inc. Net Sales by Segment; 2023 (Percentage, %)

Figure 76: Evonik Industries AG Sales by Segment; 2023 (Percentage, %)

Figure 77: Clariant AG Total Sales by Segment; 2023 (Percentage, %)

Figure 78: ALTANA Sales by Division; 2023 (Percentage, %)

Table 1: Global Wax Additives Market Product Comparison

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Product name: Global Wax Additives Market: Analysis By Material (Natural, Semi-synthetic, and Synthetic), By Type (Dispersion, Emulsion, and Micronized), By Application (Coatings, Leather Finishing, Printing Ink, Candles, and Other Applications), By Region Size and Trends with Impact of COVID-19 and Forecast up to 2029

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