

# **Pine-Derived Chemicals Market by Type (TOFA, TOR, Gum Turpentine, Gum Rosin, Pitch, and Sterols), Application (Paints & Coatings, Adhesives & Sealants, Surfactants, and Printing Inks), Source, Process and Region - Global Forecast to 2027**

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## **Abstracts**

According to MarketsandMarkets, the pine-derived chemicals market is estimated to be valued at USD 5.5 billion in 2022 and is projected to reach USD 6.8 billion by 2027, recording a CAGR of 4.5%, in terms of value. An increase in awareness regarding renewable and bio-based products has resulted in an upsurge in the demand for pine-derived chemicals over the past few years. Pine-derived chemicals is a major commercial product of pine trees and it is used in the manufacturing of paints & coatings, adhesives & sealants, surfactants, and printing inks. Major market players have been investing significantly in R&D to boost production to cater to changing consumer preferences.

“By type, the gum rosin segment is projected to grow at the highest CAGR in the market during the forecast period.”

Based on type, the gum rosin segment is projected to grow at the highest CAGR in the market during the forecast period. Gum rosin is the oleoresin that is harvested by the periodic wounding of the tree and collecting the sap into cups. During the production of synthetic rubber and printing inks, resin acids are modified for further industrial use. Apart from this, gum rosin is used in the paints & coating industries, owing to this the demand for gum rosin is increasing.

“By source, by-products of sulfate pulping segment is estimated to grow at higher CAGR.”

Sulfate processing is used to produce pine wood pulp, which consists of almost pure cellulose fibers by using sulfurous acid to extract the lignin from wood chips in digesters. Two main by-products, CTO and CST, are obtained in the pinewood pulping procedure. Both CTO and CST are used as a primary raw material to obtain pine chemicals like resins, fatty acids, etc. These pine chemicals demand is increasing due to their application in textile, fuel additives, construction chemicals, paints & coating, rubber, soaps & detergents, etc.

“By application, the adhesives & sealants segment is forecasted to account for the second-largest market share.”

Adhesives & sealants are versatile products that are obtained from pine trees. The automotive and construction industries are the two key sectors that use adhesives and sealants extensively. The natural stickiness of rosin makes it an ideal adhesion enhancer when added to adhesives and sealants. The players in the adhesives and sealants industry are expanding their presence across the globe.

“By process, the tapping process segment is anticipated to grow at higher CAGR during the review period.”

Tapping is a repeated wounding process of the tree trunk, which removes the bark and tissues beneath. There is a chemical stimulant application after this process to obtain Crude oleoresin, which is evaporated with steam distillation to obtain turpentine, molten rosin remains at the bottom after turpentine has been evaporated and recovered from a condenser. This rosin has a huge demand in the manufacturing of adhesives & sealants and paints & coatings.

“The North America region is the largest market for pine-derived chemicals during the forecast period”

North America is one of the largest markets for pine-derived chemicals worldwide as it holds a considerable share in the tall oil fatty acid segment. There has been a significant usage of pine-derived chemicals to produce a wide range of consumer products. North America has a developed market for pine-derived chemicals and is projected to grow at a steady rate. The US contributes to more than half of the North American pine-derived chemicals market, owing to this, there is a strong presence of key manufacturers in the region. Moreover, large pine tree plantations are concentrated in North America, encouraging the growth and expansion of the pine chemicals industry.

The North American market is dominated by tall oil fatty acids and gum rosin markets due to their applications in a large variety of consumer products.

#### Break-up of Primaries

By Company Type: Tier 1 – 30%, Tier 2 – 25% and Tier 3 – 45%

By Designation: Manager- 25%, CXOs– 40%, and Executives – 35%

By Region: Asia Pacific – 40%, Europe - 30%, North America- 16%, and RoW- 14%

Leading players profiled in this report include the following:

Eastman Chemical Company (US)

Harima Chemicals Group (Japan)

Ingevity Corporation (US)

Kraton Corporation (US)

Mentha And Allied Products Pvt Ltd (India)

Mahendra Rosin And Turpentine Pvt Ltd (India)

Arakawa Chemical Industries, Ltd (Japan)

George-Pacific Chemicals (US)

Forchem OYJ (Finland)

Florachem Corporation (US)

Drt (D?riv?s R?siniques Et Terp?niques (France)

Foreverest Resources Ltd (China)

Wuzhou Sunshine Forestry & Chemicals Co. Ltd (China)

Guilin Songquan Forest Chemical Co. Ltd (China)

Midhills Rosin & Turpenes (India)

Resinas Alfonso Criado Mart?n (Spain)

Florpinus Chemical Industries (Brazil)

Pinechemical Group Oy (Finland)

Punjab Rosin & Chemical Works (India)

Keichem Indonesia (Indonesia)

## Research Coverage

This report segments pine-derived chemicals market on the basis of source, type, application, process, and region. In terms of insights, this research report focuses on various levels of analyses—competitive landscape, pricing insights, end-use analysis, and company profiles—which together comprise and discuss the basic views on the emerging & high-growth segments of the pine-derived chemicals market, high-growth regions, countries, industry trends, drivers, restraints, opportunities, and challenges.

## Reasons to buy this report

To get a comprehensive overview of the pine-derived chemicals market

To gain wide-ranging information about the top players in this industry, their product portfolio details, and the key strategies adopted by them

To gain insights about the major countries/regions, in which the pine-derived chemicals market is flourishing

## Contents

### 1 INTRODUCTION

#### 1.1 OBJECTIVES OF STUDY

#### 1.2 MARKET DEFINITION

#### 1.3 STUDY SCOPE

#### FIGURE 1 MARKET SEGMENTATION

##### 1.3.1 REGIONS COVERED

##### 1.3.2 PERIODIZATION CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### TABLE 1 USD EXCHANGE RATES CONSIDERED, 2018–2021

#### 1.5 VOLUME UNITS CONSIDERED

#### 1.6 STAKEHOLDERS

#### 1.7 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 2 PINE-DERIVED CHEMICALS MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

##### 2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

##### 2.1.2.1 Key data from primary sources

##### 2.1.2.2 Breakdown of primaries

##### 2.1.2.3 Key primary insights

#### 2.2 MARKET SIZE ESTIMATION

##### 2.2.1 APPROACH ONE – BOTTOM-UP (BASED ON TYPE, BY REGION)

##### 2.2.2 APPROACH TWO – TOP-DOWN (BASED ON GLOBAL MARKET)

#### 2.3 DATA TRIANGULATION

#### FIGURE 3 DATA TRIANGULATION METHODOLOGY

#### 2.4 ASSUMPTIONS FOR STUDY

#### 2.5 LIMITATIONS AND RISK ASSESSMENT OF STUDY

#### 2.6 MARKET SCENARIOS CONSIDERED FOR COVID-19 IMPACT

##### 2.6.1 OPTIMISTIC SCENARIO

##### 2.6.2 REALISTIC AND PESSIMISTIC SCENARIOS

##### 2.6.3 SCENARIO-BASED MODELING

#### 2.7 COVID-19 HEALTH ASSESSMENT

#### FIGURE 4 COVID-19: GLOBAL PROPAGATION

FIGURE 5 COVID-19 PROPAGATION: SELECT COUNTRIES

2.8 COVID-19 ECONOMIC ASSESSMENT

FIGURE 6 REVISED GROSS DOMESTIC PRODUCT FORECASTS FOR  
SELECT G20 COUNTRIES IN 2020

2.8.1 COVID-19 ECONOMIC IMPACT—SCENARIO ASSESSMENT

FIGURE 7 CRITERIA IMPACTING GLOBAL ECONOMY

FIGURE 8 SCENARIOS IN TERMS OF RECOVERY OF THE GLOBAL ECONOMY

### **3 EXECUTIVE SUMMARY**

TABLE 2 PINE-DERIVED CHEMICALS MARKET SNAPSHOT, 2022 VS. 2027

FIGURE 9 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET, BY  
SCENARIO, 2020 VS. 2021 (USD MILLION)

FIGURE 10 PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022 VS. 2027 (USD  
MILLION)

FIGURE 11 PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022 VS.  
2027 (USD MILLION)

FIGURE 12 PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022 VS. 2027  
(USD MILLION)

FIGURE 13 PINE-DERIVED CHEMICALS MARKET SHARE (VALUE), BY REGION,  
2021

### **4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE OPPORTUNITIES IN PINE-DERIVED CHEMICALS MARKET

FIGURE 14 INCREASING DEMAND FOR BIO-FRIENDLY PRODUCTS TO PROPEL  
MARKET GROWTH FOR PINE-DERIVED CHEMICALS

4.2 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE AND  
COUNTRY

FIGURE 15 US AND GUM ROSIN TO ACCOUNT FOR LARGEST SHARES IN 2021

4.3 PINE-DERIVED CHEMICALS MARKET, BY TYPE

FIGURE 16 GUM ROSIN SEGMENT TO DOMINATE MARKET DURING FORECAST  
PERIOD

4.4 PINE-DERIVED CHEMICALS MARKET, BY APPLICATION

FIGURE 17 PAINTS & COATINGS SEGMENT TO DOMINATE MARKET  
DURING FORECAST PERIOD

4.5 PINE-DERIVED CHEMICALS MARKET, BY SOURCE AND REGION

FIGURE 18 NORTH AMERICA AND BY-PRODUCTS OF SULFATE PULPING  
SEGMENTS TO DOMINATE MARKET DURING FORECAST PERIOD

#### 4.6 PINE-DERIVED CHEMICALS MARKET, BY PROCESS

FIGURE 19 TAPPING PROCESS TO DOMINATE MARKET DURING FORECAST PERIOD

FIGURE 20 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET: COMPARISON OF PRE AND POST-COVID-19 SCENARIOS

### 5 MARKET OVERVIEW

#### 5.1 INTRODUCTION

#### 5.2 MARKET DYNAMICS

FIGURE 21 DRIVERS, RESTRAINERS, OPPORTUNITIES, AND CHALLENGES: PINE-DERIVED CHEMICALS MARKET

##### 5.2.1 DRIVERS

5.2.1.1 Increasing demand for bio-friendly products

5.2.1.2 Increasing demand for Asia Pacific construction industry

5.2.1.3 Growing importance of kraft process and increase in application of pine-derived chemicals

5.2.1.4 Scientific advances in pine-derived chemicals industry for economic and sustainable growth

##### 5.2.2 RESTRAINTS

5.2.2.1 Stringent regulations imposed by governments

##### 5.2.3 OPPORTUNITIES

5.2.3.1 Opportunities in developing countries

##### 5.2.4 CHALLENGES

5.2.4.1 Rising labor costs

#### 5.3 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET

### 6 INDUSTRY TRENDS

#### 6.1 INTRODUCTION

#### 6.2 VALUE CHAIN

##### 6.2.1 RESEARCH & DEVELOPMENT

##### 6.2.2 RAW MATERIAL SOURCING

##### 6.2.3 PRODUCTION AND PROCESSING

##### 6.2.4 END-USE INDUSTRY

FIGURE 22 VALUE CHAIN ANALYSIS OF PINE-DERIVED CHEMICALS MARKET: RESEARCH & DEVELOPMENT AND RAW MATERIAL SOURCING

#### 6.3 SUPPLY CHAIN ANALYSIS

FIGURE 23 PINE-DERIVED CHEMICALS MARKET: SUPPLY CHAIN



## 6.4 TECHNOLOGY ANALYSIS

### 6.5 PRICING ANALYSIS: PINE-DERIVED CHEMICALS MARKET

TABLE 3 GLOBAL PINE-DERIVED CHEMICALS AVERAGE SELLING PRICE (ASP), BY TYPE, 2020–2022 (USD/TONS)

TABLE 4 GLOBAL PINE-DERIVED CHEMICALS AVERAGE SELLING PRICE (ASP), BY REGION, 2020–2022 (USD/TONS)

### 6.6 MARKET MAPPING AND ECOSYSTEM OF PINE-DERIVED CHEMICALS

#### 6.6.1 DEMAND-SIDE

#### 6.6.2 SUPPLY-SIDE

FIGURE 24 PINE-DERIVED CHEMICALS: MARKET MAP

FIGURE 25 PINE-DERIVED CHEMICALS: ECOSYSTEM MAPPING

### 6.7 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

FIGURE 26 REVENUE SHIFT FOR PINE-DERIVED CHEMICALS MARKET

### 6.8 PINE-DERIVED CHEMICALS MARKET: PATENT ANALYSIS

FIGURE 27 NUMBER OF PATENTS GRANTED BETWEEN 2012 AND 2021

FIGURE 28 TOP 10 INVESTORS WITH HIGHEST NUMBER OF PATENT DOCUMENTS

FIGURE 29 TOP 10 APPLICANTS WITH HIGHEST NO. OF PATENT DOCUMENTS

TABLE 5 PATENTS PERTAINING TO PINE-DERIVED CHEMICALS, 2019–2021

### 6.9 TRADE DATA: PINE-DERIVED CHEMICALS MARKET

#### 6.9.1 2019: TALL OIL

TABLE 6 TOP 10 IMPORTERS AND EXPORTERS OF TALL OIL, 2019 (KG)

#### 6.9.2 2020: TALL OIL

TABLE 7 TOP 10 IMPORTERS AND EXPORTERS OF TALL OIL, 2020 (KG)

#### 6.9.3 2021: TALL OIL

TABLE 8 TOP 10 IMPORTERS AND EXPORTERS OF TALL OIL, 2021 (KG)

### 6.10 CASE STUDIES

#### 6.10.1 KRATON CORPORATION: TAKING MEASURES TO SAVE ENVIRONMENT

### 6.11 KEY CONFERENCES & EVENTS IN 2022-2023

TABLE 9 KEY CONFERENCES & EVENTS IN PINE-DERIVED CHEMICALS MARKET

### 6.12 TARIFF & REGULATORY LANDSCAPE

TABLE 10 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 ASIA-PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### 6.12.1 UNITED STATES (US)

#### 6.12.2 CANADA



### 6.12.3 EUROPEAN UNION (EU)

### 6.12.4 INDIA

### 6.12.5 AUSTRALIA

### 6.12.6 CHINA

## 6.13 PORTER'S FIVE FORCES ANALYSIS

### TABLE 13 PINE-DERIVED CHEMICALS MARKET: PORTER'S FIVE FORCES ANALYSIS

#### 6.13.1 DEGREE OF COMPETITION

#### 6.13.2 BARGAINING POWER OF SUPPLIERS

#### 6.13.3 BARGAINING POWER OF BUYERS

#### 6.13.4 THREAT OF SUBSTITUTES

#### 6.13.5 THREAT OF NEW ENTRANTS

## 6.14 KEY STAKEHOLDERS AND BUYING CRITERIA

### 6.14.1 KEY STAKEHOLDERS IN BUYING PROCESS

### FIGURE 30 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP THREE APPLICATIONS

### TABLE 14 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP THREE APPLICATIONS (%)

#### 6.14.2 BUYING CRITERIA

### TABLE 15 KEY CRITERIA FOR SELECTING SUPPLIER/VENDOR

## 7 PINE-DERIVED CHEMICALS MARKET, BY TYPE

### 7.1 INTRODUCTION

### FIGURE 31 PINE-DERIVED CHEMICALS MARKET SIZE (VALUE), BY TYPE, 2022 VS. 2027

### TABLE 16 PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

### TABLE 17 PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

### TABLE 18 PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (KT)

### TABLE 19 PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (KT)

## 7.2 COVID-19 IMPACT ON PINE DERIVED CHEMICALS MARKET, BY TYPE

### 7.2.1 OPTIMISTIC SCENARIO

### TABLE 20 OPTIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2020–2023 (USD MILLION)

### 7.2.2 REALISTIC SCENARIO

### TABLE 21 REALISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2020–2023 (USD MILLION)

### 7.2.3 PESSIMISTIC SCENARIO

TABLE 22 PESSIMISTIC SCENARIO: IMPACT OF COVID-19 ON PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2020–2023 (USD MILLION)

### 7.3 TALL OIL FATTY ACID

7.3.1 INCREASING AWARENESS FOR CLEAN LABEL PRODUCTS TO DRIVE GROWTH FOR TALL OIL FATTY ACID

TABLE 23 TALL OIL FATTY ACID: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 24 TALL OIL FATTY ACID: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 25 TALL OIL FATTY ACID: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 26 TALL OIL FATTY ACID: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

### 7.4 TALL OIL ROSIN

7.4.1 STRONG MARKET DEMAND DUE TO WIDE APPLICATIONS IN VARIOUS END-USE INDUSTRIES TO PROPEL GROWTH FOR TALL OIL ROSIN

TABLE 27 TALL OIL ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 28 TALL OIL ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 29 TALL OIL ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 30 TALL OIL ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

### 7.5 GUM TURPENTINE

7.5.1 INCREASING DEMAND FROM PAINTS, PERFUME, AND PERSONAL CARE INDUSTRIES TO DRIVE GROWTH FOR GUM TURPENTINE

TABLE 31 GUM TURPENTINE: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 32 GUM TURPENTINE: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 33 GUM TURPENTINE: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 34 GUM TURPENTINE: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

### 7.6 GUM ROSIN

7.6.1 INCREASING DEMAND FOR GUM ROSIN IN RUBBER AND INK INDUSTRIES TO PROPEL ITS GROWTH

TABLE 35 GUM ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 36 GUM ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 37 GUM ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 38 GUM ROSIN: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

## 7.7 STEROLS

7.7.1 RISING AWARENESS ABOUT HEALTH CONSCIOUSNESS AND CHOLESTEROL PRODUCTS TO DRIVE GROWTH FOR STEROLS

TABLE 39 STEROLS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 40 STEROLS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 41 STEROLS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 42 STEROLS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

## 7.8 PITCH

7.8.1 RISING POPULARITY OF PINE PITCH AS A PREMIUM ADHESIVE ALONG WITH RISING DEMAND TO DRIVE ITS GROWTH

TABLE 43 PITCH: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 44 PITCH: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 45 PITCH: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 46 PITCH: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

## 7.9 OTHER TYPES

### 7.10 ALPHA-PINENE

### 7.11 BETA-PINENE

TABLE 47 OTHER TYPES: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 48 OTHER TYPES: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 49 OTHER TYPES: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 50 OTHER TYPES: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

## **8 PINE-DERIVED CHEMICALS MARKET, BY APPLICATION**

### **8.1 INTRODUCTION**

FIGURE 32 PINE-DERIVED CHEMICALS MARKET SIZE (VALUE), BY APPLICATION, 2022 VS. 2027

TABLE 51 PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 52 PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### **8.2 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET, BY APPLICATION**

#### **8.2.1 OPTIMISTIC SCENARIO**

TABLE 53 TABLE 3: OPTIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

#### **8.2.2 REALISTIC SCENARIO**

TABLE 54 TABLE 4: REALISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

#### **8.2.3 PESSIMISTIC SCENARIO**

TABLE 55 TABLE 5: PESSIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

### **8.3 ADHESIVES & SEALANTS**

8.3.1 RISING DEMAND FOR HIGH-PERFORMANCE ADHESIVES FROM AUTOMOTIVE AND CONSTRUCTION INDUSTRIES TO DRIVE GROWTH

TABLE 56 ADHESIVES AND SEALANTS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 57 ADHESIVES AND SEALANTS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

### **8.4 PAINTS & COATINGS**

8.4.1 RISING DEMAND ACROSS BORDERS AND NEW PRODUCT LAUNCHES TO DRIVE GROWTH OF PAINTS & COATINGS

TABLE 58 PAINTS & COATINGS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 59 PAINTS & COATINGS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

### **8.5 SURFACTANTS**

8.5.1 RISING APPLICATIONS FROM VARIOUS NICHE AND VALUE-BASED PRODUCTS MARKET TO DRIVE GROWTH OF SURFACTANTS

TABLE 60 SURFACTANTS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 61 SURFACTANTS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 8.6 PRINTING INKS

8.6.1 RISING DEMAND AND EXPANSION OF PRODUCT PORTFOLIOS BY COMPANIES TO DRIVE PRINTING INKS GROWTH

TABLE 62 PRINTING INKS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 63 PRINTING INKS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 8.7 OTHER APPLICATIONS

TABLE 64 OTHER APPLICATIONS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 65 OTHER APPLICATIONS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

# 9 PINE-DERIVED CHEMICALS MARKET, BY SOURCE

## 9.1 INTRODUCTION

FIGURE 33 PINE-DERIVED CHEMICALS MARKET SIZE (VALUE), BY SOURCE, 2022 VS. 2027

TABLE 66 PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2019–2021 (USD MILLION)

TABLE 67 PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022–2027 (USD MILLION)

## 9.2 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET, BY SOURCE

### 9.2.1 OPTIMISTIC SCENARIO

TABLE 68 OPTIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2020–2023 (USD MILLION)

### 9.2.2 REALISTIC SCENARIO

TABLE 69 REALISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2020–2023 (USD MILLION)

### 9.2.3 PESSIMISTIC SCENARIO

TABLE 70 PESSIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2020–2023 (USD MILLION)

## 9.3 LIVING TREES

9.3.1 INCREASING DEMAND FROM END-USE INDUSTRIES AND USAGE BY KEY PLAYERS TO DRIVE MARKET GROWTH

TABLE 71 LIVING TREES: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 72 LIVING TREES: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 9.4 DEAD PINE STUMPS & LOGS

9.4.1 INCREASED FOCUS ON R&D AND DEMAND FROM END-USE INDUSTRIES TO PROPEL MARKET GROWTH

TABLE 73 DEAD PINE STUMPS & LOGS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 74 DEAD PINE STUMPS & LOGS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 9.5 BY-PRODUCTS OF SULFATE PUMPING (KRAFT PROCESS)

9.5.1 RISING DEMAND ACROSS BORDERS AND INCREASED FOCUS ON R&D TO IMPROVE TECHNIQUES OF EXTRACTION TO DRIVE GROWTH

TABLE 75 BY-PRODUCTS OF SULFATE PUMPING: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 76 BY-PRODUCTS OF SULFATE PUMPING: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 10 PINE-DERIVED CHEMICALS MARKET, BY PROCESS

#### 10.1 INTRODUCTION

FIGURE 34 PINE-DERIVED CHEMICALS MARKET SIZE (VALUE), BY PROCESS, 2022 VS. 2027

TABLE 77 PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2019–2021 (USD MILLION)

TABLE 78 PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2022–2027 (USD MILLION)

#### 10.2 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET, BY PROCESS

##### 10.2.1 OPTIMISTIC SCENARIO

TABLE 79 TABLE 3: OPTIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2020–2023 (USD MILLION)

##### 10.2.2 REALISTIC SCENARIO

TABLE 80 REALISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2020–2023 (USD MILLION)

##### 10.2.3 PESSIMISTIC SCENARIO

TABLE 81 PESSIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2020–2023 (USD MILLION)

#### 10.3 KRAFT PROCESS

### 10.3.1 COMPANIES WORLDWIDE SHIFTING THEIR FOCUS TOWARD KRAFT PROCESS TO INCREASE ITS USAGE

TABLE 82 KRAFT PROCESS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 83 KRAFT PROCESS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 10.4 TAPPING PROCESS

#### 10.4.1 INCREASING DEMAND FROM END-USE INDUSTRIES AND RISING TAPPERS' NUMBERS TO BOOST TAPPING PROCESS DEMAND

TABLE 84 TAPPING PROCESS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 85 TAPPING PROCESS: PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 11 PINE-DERIVED CHEMICALS MARKET, BY REGION

### 11.1 INTRODUCTION

FIGURE 35 CHINA TO RECORD HIGHEST GROWTH RATE DURING FORECAST PERIOD

TABLE 86 PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 87 PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 88 PINE-DERIVED CHEMICALS MARKET, BY REGION, 2019–2021 (KT)

TABLE 89 PINE-DERIVED CHEMICALS MARKET, BY REGION, 2022–2027 (KT)

### 11.2 COVID-19 IMPACT ON PINE-DERIVED CHEMICALS MARKET, BY REGION

#### 11.2.1 OPTIMISTIC SCENARIOS

TABLE 90 OPTIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY REGION, 2020–2023 (USD MILLION)

#### 11.2.2 REALISTIC SCENARIO

TABLE 91 REALISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY REGION, 2020–2023 (USD MILLION)

#### 11.2.3 PESSIMISTIC SCENARIO

TABLE 92 PESSIMISTIC SCENARIO: IMPACT OF COVID–19 ON PINE-DERIVED CHEMICALS MARKET, BY REGION, 2020–2023 (USD MILLION)

### 11.3 NORTH AMERICA

FIGURE 36 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET SNAPSHOT

TABLE 93 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2019–2021 (USD MILLION)



TABLE 94 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 95 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 96 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 97 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (KT)

TABLE 98 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (KT)

TABLE 99 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 100 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 101 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2019–2021 (USD MILLION)

TABLE 102 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022–2027 (USD MILLION)

TABLE 103 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2019–2021 (USD MILLION)

TABLE 104 NORTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2022–2027 (USD MILLION)

#### 11.3.1 US

11.3.1.1 Rising awareness of safe and healthy consumer products to drive demand for pine-derived chemicals

TABLE 105 US: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 106 US: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 107 US: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 108 US: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

#### 11.3.2 CANADA

11.3.2.1 Increasing focus on newer applications of pine-derived chemicals to present growth opportunities

TABLE 109 CANADA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 110 CANADA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027

(USD MILLION)

TABLE 111 CANADA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 112 CANADA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 11.3.3 MEXICO

11.3.3.1 Personal care products market and rising focus on innovation to create significant business opportunities

TABLE 113 MEXICO: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 114 MEXICO: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 115 MEXICO: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 116 MEXICO: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 11.4 EUROPE

TABLE 117 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 118 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 119 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 120 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 121 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (KT)

TABLE 122 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (KT)

TABLE 123 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 124 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 125 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2019–2021 (USD MILLION)

TABLE 126 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022–2027 (USD MILLION)

TABLE 127 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2019–2021 (USD MILLION)

TABLE 128 EUROPE: PINE-DERIVED CHEMICALS MARKET, BY PROCESS,  
2022–2027 (USD MILLION)

#### 11.4.1 GERMANY

11.4.1.1 Rising demand for environment-friendly products and companies' excellent expertise to boost pine-derived chemicals industry

TABLE 129 GERMANY: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021  
(USD MILLION)

TABLE 130 GERMANY: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027  
(USD MILLION)

TABLE 131 GERMANY: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 132 GERMANY: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.4.2 UK

11.4.2.1 Increasing demand for personal care products, paints, and coating sectors to fuel demand for pine-derived chemicals

TABLE 133 UK: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD  
MILLION)

TABLE 134 UK: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD  
MILLION)

TABLE 135 UK: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 136 UK: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.4.3 RUSSIA

11.4.3.1 Fastest-growing segment because of increased demand for raw materials, such as gum and wood

TABLE 137 RUSSIA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021  
(USD MILLION)

TABLE 138 RUSSIA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027  
(USD MILLION)

TABLE 139 RUSSIA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 140 RUSSIA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.4.4 ITALY

11.4.4.1 Increased demand for bio-based pine-derived chemicals due to major rise in construction activities

TABLE 141 ITALY: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021

(USD MILLION)

TABLE 142 ITALY: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027

(USD MILLION)

TABLE 143 ITALY: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 144 ITALY: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.4.5 SPAIN

11.4.5.1 Increased dependence on renewable resources to provide opportunity for  
pine chemicals in Spain

TABLE 145 SPAIN: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021  
(USD MILLION)

TABLE 146 SPAIN: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027  
(USD MILLION)

TABLE 147 SPAIN: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 148 SPAIN: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.4.6 FRANCE

11.4.6.1 Need for renewable and sustainable products to flourish pine-derived  
chemicals segment

TABLE 149 FRANCE: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021  
(USD MILLION)

TABLE 150 FRANCE: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027  
(USD MILLION)

TABLE 151 FRANCE: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 152 FRANCE: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.4.7 REST OF EUROPE

TABLE 153 REST OF EUROPE: PINE-DERIVED CHEMICALS MARKET, BY TYPE,  
2019–2021 (USD MILLION)

TABLE 154 REST OF EUROPE: PINE-DERIVED CHEMICALS MARKET, BY TYPE,  
2022–2027 (USD MILLION)

TABLE 155 REST OF EUROPE: PINE-DERIVED CHEMICALS MARKET, BY  
APPLICATION, 2019–2021 (USD MILLION)

TABLE 156 REST OF EUROPE: PINE-DERIVED CHEMICALS MARKET, BY  
APPLICATION, 2022–2027 (USD MILLION)

### 11.5 ASIA PACIFIC

FIGURE 37 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET SNAPSHOT

TABLE 157 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 158 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 159 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 160 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 161 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (KT)

TABLE 162 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (KT)

TABLE 163 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 164 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 165 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2019–2021 (USD MILLION)

TABLE 166 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022–2027 (USD MILLION)

TABLE 167 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2019–2021 (USD MILLION)

TABLE 168 ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2022–2027 (USD MILLION)

#### 11.5.1 CHINA

11.5.1.1 Mature adhesives, paints, and coatings industries to drive demand for pine derived chemicals products

TABLE 169 CHINA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 170 CHINA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 171 CHINA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 172 CHINA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

#### 11.5.2 JAPAN

11.5.2.1 Attractive cosmetics market and partnerships with end-use industries to present growth opportunities

TABLE 173 JAPAN: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 174 JAPAN: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 175 JAPAN: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 176 JAPAN: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 11.5.3 INDIA

11.5.3.1 Partnerships and large markets for paints and adhesives to drive growth of pine-derived chemical companies

TABLE 177 INDIA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 178 INDIA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 179 INDIA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 180 INDIA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 11.5.4 AUSTRALIA & NEW ZEALAND

11.5.4.1 Rising demand and partnerships with international players to present significant business opportunities

TABLE 181 AUSTRALIA & NEW ZEALAND: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 182 AUSTRALIA & NEW ZEALAND: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 183 AUSTRALIA & NEW ZEALAND: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 184 AUSTRALIA & NEW ZEALAND: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 11.5.5 REST OF ASIA PACIFIC

TABLE 185 REST OF ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 186 REST OF ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 187 REST OF ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 188 REST OF ASIA PACIFIC: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

## 11.6 SOUTH AMERICA

TABLE 189 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 190 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 191 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 192 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 193 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (KT)

TABLE 194 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (KT)

TABLE 195 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 196 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 197 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2019–2021 (USD MILLION)

TABLE 198 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022–2027 (USD MILLION)

TABLE 199 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2019–2021 (USD MILLION)

TABLE 200 SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY PROCESS, 2022–2027 (USD MILLION)

### 11.6.1 BRAZIL

11.6.1.1 Growing economy and availability of low-cost labor to drive demand for pine-derived chemicals

TABLE 201 BRAZIL: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 202 BRAZIL: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 203 BRAZIL: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 204 BRAZIL: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 11.6.2 ARGENTINA

11.6.2.1 Rising demand for end-consumer products to increase demand for pine-derived chemicals market in Argentina



TABLE 205 ARGENTINA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 206 ARGENTINA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 207 ARGENTINA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 208 ARGENTINA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

#### 11.6.3 REST OF SOUTH AMERICA

TABLE 209 REST OF SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 210 REST OF SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 211 REST OF SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 212 REST OF SOUTH AMERICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

#### 11.7 REST OF THE WORLD

TABLE 213 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY SUB-REGION, 2019–2021 (USD MILLION)

TABLE 214 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY SUB-REGION, 2022–2027 (USD MILLION)

TABLE 215 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 216 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 217 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021 (KT)

TABLE 218 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027 (KT)

TABLE 219 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 220 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 221 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2019–2021 (USD MILLION)

TABLE 222 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY SOURCE, 2022–2027 (USD MILLION)

TABLE 223 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY

PROCESS, 2019–2021 (USD MILLION)

TABLE 224 REST OF THE WORLD: PINE-DERIVED CHEMICALS MARKET, BY  
PROCESS, 2022–2027 (USD MILLION)

#### 11.7.1 AFRICA

11.7.1.1 Huge pine reserves and limited pine processing industries to boost business opportunities

TABLE 225 AFRICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2019–2021  
(USD MILLION)

TABLE 226 AFRICA: PINE-DERIVED CHEMICALS MARKET, BY TYPE, 2022–2027  
(USD MILLION)

TABLE 227 AFRICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2019–2021 (USD MILLION)

TABLE 228 AFRICA: PINE-DERIVED CHEMICALS MARKET, BY APPLICATION,  
2022–2027 (USD MILLION)

#### 11.7.2 MIDDLE EAST

11.7.2.1 Rising awareness and demand for bio-based fuels to present newer business opportunities for pine-derived chemicals

TABLE 229 MIDDLE EAST: PINE-DERIVED CHEMICALS MARKET, BY TYPE,  
2019–2021 (USD MILLION)

TABLE 230 MIDDLE EAST: PINE-DERIVED CHEMICALS MARKET, BY TYPE,  
2022–2027 (USD MILLION)

TABLE 231 MIDDLE EAST: PINE-DERIVED CHEMICALS MARKET, BY  
APPLICATION, 2019–2021 (USD MILLION)

TABLE 232 MIDDLE EAST: PINE-DERIVED CHEMICALS MARKET, BY  
APPLICATION, 2022–2027 (USD MILLION)

## 12 COMPETITIVE LANDSCAPE

### 12.1 OVERVIEW

#### 12.2 MARKET SHARE ANALYSIS, 2021

TABLE 233 PINE-DERIVED CHEMICALS MARKET SHARE ANALYSIS, 2021

#### 12.3 HISTORICAL REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 38 REVENUE ANALYSIS OF KEY PLAYERS IN MARKET, 2018–2020 (USD BILLION)

#### 12.4 COVID-19-SPECIFIC COMPANY RESPONSE

12.4.1 EASTMAN CHEMICAL COMPANY (US)

12.4.2 HARIMA CHEMICALS GROUP (JAPAN)

12.4.3 INGEVITY CORPORATION (US)

12.4.4 KRATON CORPORATION (US)

12.4.5 MENTHA AND ALLIED PRODUCTS PVT. LTD. (INDIA)

12.5 COMPANY EVALUATION QUADRANT (KEY PLAYERS)

12.5.1 STARS

12.5.2 PERVASIVE PLAYERS

12.5.3 EMERGING LEADERS

12.5.4 PARTICIPANTS

FIGURE 39 PINE-DERIVED CHEMICALS MARKET: COMPANY EVALUATION QUADRANT, 2021 (KEY PLAYERS)

12.5.5 PINE-DERIVED CHEMICALS PRODUCT FOOTPRINT (KEY PLAYERS)

TABLE 234 COMPANY FOOTPRINT, BY TYPE (KEY PLAYERS)

TABLE 235 COMPANY FOOTPRINT, BY APPLICATION (KEY PLAYERS)

TABLE 236 COMPANY FOOTPRINT, BY SOURCE (KEY PLAYERS)

TABLE 237 COMPANY FOOTPRINT, BY REGION (KEY PLAYERS)

TABLE 238 OVERALL COMPANY FOOTPRINT (KEY PLAYERS)

12.6 PINE-DERIVED CHEMICALS MARKET, OTHER PLAYERS EVALUATION QUADRANT, 2021

12.6.1 PROGRESSIVE COMPANIES

12.6.2 STARTING BLOCKS

12.6.3 RESPONSIVE COMPANIES

12.6.4 DYNAMIC COMPANIES

FIGURE 40 PINE-DERIVED CHEMICALS MARKET: COMPANY EVALUATION QUADRANT, 2021 (OTHER PLAYERS)

TABLE 239 PINE-DERIVED CHEMICALS: COMPETITIVE BENCHMARKING OF OTHER PLAYERS

12.7 COMPETITIVE SCENARIO

12.7.1 NEW PRODUCT LAUNCHES

TABLE 240 PINE-DERIVED CHEMICALS MARKET: NEW PRODUCT LAUNCHES, 2018-2019

12.7.2 DEALS

TABLE 241 PINE-DERIVED CHEMICALS MARKET: OTHERS, 2018-2022

TABLE 242 PINE-DERIVED CHEMICALS MARKET: DEALS, 2018-2020

## 13 COMPANY PROFILES

13.1 KEY PLAYERS

(Business Overview, Products/Services/Solutions Offered, Recent Developments, and MnM View)\*

13.1.1 EASTMAN CHEMICAL COMPANY

TABLE 243 EASTMAN CHEMICAL COMPANY: BUSINESS OVERVIEW

FIGURE 41 EASTMAN CHEMICAL COMPANY: COMPANY SNAPSHOT

TABLE 244 EASTMAN CHEMICAL COMPANY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 245 EASTMAN CHEMICAL COMPANY: OTHERS

#### 13.1.2 HARIMA CHEMICALS GROUP

TABLE 246 HARIMA CHEMICALS GROUP: BUSINESS OVERVIEW

FIGURE 42 HARIMA CHEMICALS GROUP: COMPANY SNAPSHOT

TABLE 247 HARIMA CHEMICALS GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 248 HARIMA CHEMICALS GROUP: DEALS

#### 13.1.3 INGEVITY CORPORATION

TABLE 249 INGEVITY CORPORATION: BUSINESS OVERVIEW

FIGURE 43 INGEVITY CORPORATION: COMPANY SNAPSHOT

TABLE 250 INGEVITY CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 251 INGEVITY CORPORATION: DEALS

#### 13.1.4 KRATON CORPORATION

TABLE 252 KRATON CORPORATION: BUSINESS OVERVIEW

FIGURE 44 KRATON CORPORATION: COMPANY SNAPSHOT

TABLE 253 KRATON CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.1.5 MENTHA AND ALLIED PRODUCTS PVT LTD.

TABLE 254 MENTHA AND ALLIED PRODUCTS PVT LTD.

TABLE 255 MENTHA AND ALLIED PRODUCTS PVT LTD: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.1.6 MAHENDRA ROSIN AND TURPENTINE PVT LTD.

TABLE 256 MAHENDRA ROSIN AND TURPENTINE PVT LTD: BUSINESS OVERVIEW

TABLE 257 MAHENDRA ROSIN AND TURPENTINE PVT LTD: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.1.7 ARAKAWA CHEMICAL INDUSTRIES, LTD.

TABLE 258 ARAKAWA CHEMICAL INDUSTRIES, LTD.: BUSINESS OVERVIEW

FIGURE 45 ARAKAWA CHEMICAL INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 259 ARAKAWA CHEMICAL INDUSTRIES, LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.1.8 GEORGE-PACIFIC CHEMICALS

TABLE 260 GEORGE-PACIFIC CHEMICALS: BUSINESS OVERVIEW

TABLE 261 GEORGE-PACIFIC CHEMICALS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

## TABLE 262 GEORGE-PACIFIC CHEMICALS: OTHERS

## 13.1.9 FORCHEM OYJ

## TABLE 263 FORCHEM OYJ: BUSINESS OVERVIEW

## TABLE 264 FORCHEM OYJ: PRODUCTS/SOLUTIONS/SERVICES OFFERED

## TABLE 265 FORCHEM OYJ: NEW PRODUCT LAUNCHES

## 13.1.10 FLORACHEM CORPORATION

## TABLE 266 FLORACHEM CORPORATION: BUSINESS OVERVIEW

## TABLE 267 FLORACHEM CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

## TABLE 268 FLORACHEM CORPORATION: OTHERS

## 13.2 OTHER PLAYERS

## 13.2.1 DRT (D?RIV?S R?SINIQUES ET TERP?NIQUES)

## TABLE 269 DRT (D?RIV?S R?SINIQUES ET TERP?NIQUES): BUSINESS OVERVIEW

## TABLE 270 DRT (D?RIV?S R?SINIQUES ET TERP?NIQUES): PRODUCTS/SOLUTIONS/ SERVICES OFFERED

## TABLE 271 DRT (D?RIV?S R?SINIQUES ET TERP?NIQUES): DEALS

## TABLE 272 DRT (D?RIV?S R?SINIQUES ET TERP?NIQUES): OTHERS

## 13.2.2 FOREVEREST RESOURCES LTD.

## TABLE 273 FOREVEREST RESOURCES LTD: BUSINESS OVERVIEW

## TABLE 274 FOREVEREST RESOURCES LTD: PRODUCTS/SOLUTIONS/SERVICES OFFERED

## TABLE 275 FOREVEREST RESOURCES LTD: NEW PRODUCT LAUNCHES

## 13.2.3 WUZHOU SUNSHINE FORESTRY &amp; CHEMICALS CO. LTD.

## TABLE 276 WUZHOU SUN SHINE FORESTRY &amp; CHEMICALS CO. LTD.: BUSINESS OVERVIEW

## TABLE 277 WUZHOU SUNSHINE FORESTRY &amp; CHEMICALS CO. LTD.: PRODUCTS/SOLUTIONS/ SERVICES OFFERED

## 13.2.4 GUILIN SONGQUAN FOREST CHEMICAL CO. LTD.

## TABLE 278 GUILIN SONGQUAN FOREST CHEMICAL CO. LTD.: BUSINESS OVERVIEW

## TABLE 279 GUILIN SONGQUAN FOREST CHEMICAL CO. LTD.: PRODUCTS/SOLUTIONS/ SERVICES OFFERED

## 13.2.5 MIDHILLS ROSIN &amp; TURPENES

## TABLE 280 MIDHILLS ROSIN &amp; TURPENES: BUSINESS OVERVIEW

## TABLE 281 MIDHILLS ROSIN &amp; TURPENES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

## 13.2.6 RESINAS ALFONSO CRIADO MART?N

## 13.2.7 FLORPINUS CHEMICAL INDUSTRIES

13.2.8 PINECHEMICAL GROUP OY

13.2.9 PUNJAB ROSIN & CHEMICAL WORKS

13.2.10 KEICHEM INDONESIA

Business Overview, Products/Services/Solutions Offered, Recent Developments, and MnM View might not be captured in case of unlisted companies.

## **14 ADJACENT AND RELATED MARKETS**

14.1 INTRODUCTION

TABLE 282 ADJACENT MARKETS TO PINE-DERIVED CHEMICALS MARKET

14.2 LIMITATIONS

14.3 RENEWABLE CHEMICAL MARKET

14.3.1 MARKET DEFINITION

14.3.2 MARKET OVERVIEW

TABLE 283 RENEWABLE CHEMICAL MARKET, BY TYPE, 2013–2020 (USD MILLION)

14.4 CONSTRUCTION CHEMICAL MARKET

14.4.1 MARKET DEFINITION

14.4.2 MARKET OVERVIEW

TABLE 284 CONSTRUCTION CHEMICAL MARKET, BY TYPE, 2013–2020 (USD MILLION)

## **15 APPENDIX**

15.1 DISCUSSION GUIDE

15.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

15.3 AVAILABLE CUSTOMIZATIONS

15.4 RELATED REPORTS

15.5 AUTHOR DETAILS

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