+44 20 8123 2220
info@marketpublishers.com

Biocides Market by Type (Non-oxidizing Biocide, Oxidizing Biocide), Application (Water Treatment, Household, Industrial & Institutional Cleaning and Home Care, Paints & Coatings, Wood Preservatives), and Region - Global Forecast to 2027

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Abstracts

The global biocides market will grow to USD 13.6 Billion by 2027, at a CAGR of 4.3% from USD 11.0 Billion in 2022. Biocides are chemical substances that are used to kill unwanted organisms and control bacteria or fungi growth. Biocides help to prevent degradation of product's physical and sensorial properties. These are primarily used in several applications such as water treatment (municipal water treatment, oil & gas, power plants, pulp & paper, swimming pools, mining, dairy, poultry & food processing), household & personal care, wood preservation, paints & coatings, and others (leathers & textiles). It is also used in domestic applications such as disinfectants and sanitizers, as well as in industrial applications to prevent fouling in water and oil pipelines.

"Oxidizing biocides type is projected to be the second fastest-growing type of biocides market during the forecast period."

Oxidizing biocideshave the ability to kill microorganisms through electrochemical process of oxidation. In this process, the biocide gains an electron from bacteria, and thereby destroys the bacteria. Oxidizing biocides are the most effective in system that uses a high volume of water. According to industrial experts, oxidizing biocides are mostly used in water treatment process because of its lower cost than non-oxidizing biocides.

"Household, industrial & institutional cleaning and home care application is estimated to be the second largest application in biocides market, in terms of value, in 2021"

The leading suppliers of biocides are increasingly providing their products to the household, industrial & institutional and home care segment on account of their use in preventing the growth of microbes in cleaning and personal care products. Many players manufacture large portions of biocides based on the metallic salts of the pyrithione molecule. In the personal care industry, meeting the need for biocides is very critical as it requires a higher level of technical expertise on account of it being a regulated industry.

“Europe is estimated to be the second-largest biocides market, in terms of value, in 2021”

Germany is the key market for biocides in the region. The European industrial segment is diversifying, and the complexities are increasing with the changing demand for advanced technologies and products that consume less energy. The environmental regulations are stringent and demand technologies that result in energy savings. The European biocides market is smaller than the North American market on account of stringent regulations such as REACH.

Breakdown of primaries

The study contains insights from various industry experts, ranging from raw material suppliers to Tier 1 companies. The break-up of the primaries is as follows:

By Company Type: Tier 1 - 46%, Tier 2 - 31%, and Tier 3 - 23%

By Designation: C-Level - 46%, Director Level - 27%, and Others - 27%

By Region: North America - 33%, Europe - 27%, APAC - 27%, South America - 7%, Middle East & Africa - 6%,

The key market players profiled in the report include LANXESS AG (Germany), Veolia Group (France), Arxada AG (Switzerland), Ecolab Inc. (US), Nouryon (Netherlands), General Electric Company (US), Evonik Industries AG (Germany), Solvay SA (Belgium), and Clariant AG (Switzerland) and others.

Research Coverage

This report segments the market for biocides is based on type, application, and region, and provides estimations for the overall market size across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, associated with the market for biocides.

Reasons to Buy this Report

This research report is focused on various levels of analysis — industry analysis (industry trends), market share analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the biocides market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on biocides offered by top players in the global market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for biocides across regions

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global biocides market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the biocides market

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info@marketpublishers.com

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES
1.2 MARKET DEFINITION
1.2.1 BIOCIDES MARKET: INCLUSIONS AND EXCLUSIONS
1.2.2 BIOCIDES: MARKET DEFINITION AND INCLUSIONS, BY TYPE
1.2.3 BIOCIDES: MARKET DEFINITION AND INCLUSIONS, BY APPLICATION
1.3 MARKET SCOPE
1.3.1 BIOCIDES MARKET SEGMENTATION
1.3.2 REGIONS COVERED
1.3.3 YEARS CONSIDERED
1.4 CURRENCY
1.5 UNIT CONSIDERED
1.6 STAKEHOLDERS
1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA
FIGURE 1 BIOCIDES MARKET: RESEARCH DESIGN
2.1.1 SECONDARY DATA
2.1.2 PRIMARY DATA
2.1.2.1 Primary interviews – demand and supply side
2.1.2.2 Key industry insights
2.1.2.3 Breakdown of primary interviews
2.2 MARKET SIZE ESTIMATION
2.2.1 BOTTOM-UP APPROACH
FIGURE 2 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1 (SUPPLY SIDE): COLLECTIVE SHARE OF MAJOR PLAYERS
FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1 – BOTTOM-UP (SUPPLY SIDE): COLLECTIVE REVENUE OF ALL PRODUCTS
FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2 – BOTTOM-UP (DEMAND SIDE): PRODUCTS SOLD AND THEIR AVERAGE SELLING PRICE
2.3 DATA TRIANGULATION
FIGURE 5 BIOCIDES MARKET: DATA TRIANGULATION
2.4 GROWTH RATE ASSUMPTIONS/GROWTH FORECASTS
2.4.1 SUPPLY SIDE

FIGURE 6 MARKET CAGR PROJECTIONS FROM SUPPLY SIDE
2.4.2 DEMAND SIDE
FIGURE 7 MARKET GROWTH PROJECTIONS FROM DEMAND-SIDE DRIVERS AND OPPORTUNITIES
2.5 FACTOR ANALYSIS
2.6 ASSUMPTIONS
2.7 LIMITATIONS
2.8 RISK ASSESSMENT
TABLE 1 BIOCIDES MARKET: RISK ASSESSMENT

3 EXECUTIVE SUMMARY

FIGURE 8 NON-OXIDIZING BIOCIDES TO LEAD BIOCIDES MARKET IN 2021
FIGURE 9 WATER TREATMENT TO BE FASTEST-GROWING APPLICATION OF BIOCIDES DURING FORECAST PERIOD
FIGURE 10 NORTH AMERICA ACCOUNTED FOR LARGEST MARKET SHARE IN 2021

4 PREMIUM INSIGHTS

4.1 SIGNIFICANT OPPORTUNITIES IN BIOCIDES MARKET
FIGURE 11 WATER TREATMENT TO DRIVE BIOCIDES MARKET DURING FORECAST PERIOD
4.2 BIOCIDES MARKET SIZE, BY REGION
FIGURE 12 NORTH AMERICA TO BE LARGEST BIOCIDES MARKET DURING FORECAST PERIOD
4.3 ASIA PACIFIC: BIOCIDES MARKET, BY APPLICATION AND COUNTRY, 2021
FIGURE 13 CHINA ACCOUNTED FOR LARGEST MARKET SHARE IN 2021
4.4 BIOCIDES MARKET SIZE, BY TYPE AND REGION
FIGURE 14 NON-OXIDIZING BIOCIDES DOMINATED BIOCIDES MARKET ACROSS REGIONS
4.5 BIOCIDES MARKET ATTRACTIVENESS
FIGURE 15 INDIA TO BE FASTEST-GROWING BIOCIDES MARKET DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION
5.2 MARKET DYNAMICS

FIGURE 16 OVERVIEW OF FACTORS GOVERNING BIOCIDES MARKET
5.2.1 DRIVERS
5.2.1.1 Increase in antimicrobial protection in end-use industries
TABLE 2 GLOBAL OIL PRODUCTION, 2021 (MILLION TONS)
5.2.1.2 Stringent regulatory environment
5.2.1.3 Government focus on consumption of clean water
5.2.2 RESTRAINTS
5.2.2.1 Lengthy and expensive registration process
TABLE 3 FEES PAYABLE TO EUROPEAN CHEMICAL AGENCY CONCERNING USE AND MARKETING OF BIOCIDAL PRODUCTS IN EUROPEAN UNION
5.2.2.2 Environmental regulations on toxic biocides
5.2.3 OPPORTUNITIES
5.2.3.1 Rising demand for green biocides
5.2.3.2 Emerging applications of biocidal products
5.2.4 CHALLENGES
5.2.4.1 Fluctuating raw material prices
5.3 PORTER'S FIVE FORCES ANALYSIS
FIGURE 17 BIOCIDES MARKET: PORTER'S FIVE FORCES ANALYSIS
5.3.1 THREAT OF NEW ENTRANTS
5.3.2 THREAT OF SUBSTITUTES
5.3.3 BARGAINING POWER OF SUPPLIERS
5.3.4 BARGAINING POWER OF BUYERS
5.3.5 INTENSITY OF COMPETITIVE RIVALRY
TABLE 4 BIOCIDES MARKET: PORTER'S FIVE FORCES ANALYSIS
5.4 KEY STAKEHOLDERS & BUYING CRITERIA
5.4.1 KEY STAKEHOLDERS IN BUYING PROCESS
FIGURE 18 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 APPLICATIONS
TABLE 5 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 APPLICATIONS (%)
5.4.2 BUYING CRITERIA
FIGURE 19 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS
TABLE 6 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS
5.5 MACROECONOMIC INDICATORS
5.5.1 GDP TRENDS AND FORECAST FOR MAJOR ECONOMIES
TABLE 7 GDP TRENDS AND FORECASTS OF MAJOR ECONOMIES, 2019–2027 (USD BILLION)

6 INDUSTRY TRENDS

6.1 SUPPLY CHAIN ANALYSIS
FIGURE 20 BIOCIDES MARKET: SUPPLY CHAIN
6.1.1 RAW MATERIAL
6.1.2 BIOCIDE MANUFACTURER
6.1.3 DISTRIBUTION NETWORK
6.1.4 END-USER INDUSTRY
6.2 BIOCIDES MARKET: REALISTIC, PESSIMISTIC, OPTIMISTIC, AND NON-COVID-19 SCENARIOS
FIGURE 21 MARKET SIZE UNDER REALISTIC, PESSIMISTIC, OPTIMISTIC, AND NON-COVID-19 SCENARIOS
TABLE 8 BIOCIDES MARKET FORECAST SCENARIO, 2019–2027 (USD MILLION)
6.2.1 NON-COVID-19 SCENARIO
6.2.2 OPTIMISTIC SCENARIO
6.2.3 PESSIMISTIC SCENARIO
6.2.4 REALISTIC SCENARIO
6.3 PRICING ANALYSIS
6.3.1 AVERAGE SELLING PRICE OF KEY PLAYERS, BY APPLICATION
FIGURE 22 AVERAGE SELLING PRICE OF KEY PLAYERS FOR TOP THREE APPLICATIONS
TABLE 9 AVERAGE SELLING PRICE OF KEY PLAYERS FOR TOP THREE APPLICATIONS, USD/KG
6.3.2 AVERAGE SELLING PRICE, BY REGION
FIGURE 23 AVERAGE SELLING PRICE OF BIOCIDES, BY REGION, USD/KG
TABLE 10 AVERAGE SELLING PRICE OF BIOCIDES, BY REGION, USD/KG
6.4 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES
6.4.1 REVENUE SHIFTS & REVENUE POCKETS FOR BIOCIDES MARKET
FIGURE 24 REVENUE SHIFT FOR BIOCIDES MARKET
6.5 CONNECTED MARKETS: ECOSYSTEM
TABLE 11 BIOCIDES MARKET: ECOSYSTEM
FIGURE 25 BIOCIDES: ECOSYSTEM
6.6 TECHNOLOGY ANALYSIS
6.6.1 AQUEOUS PROCESS
6.6.2 KEMIRA KEMCONNECT DEX TECHNOLOGY
6.6.3 THOR AMME (ADVANCED MICRO MATRIX EMBEDDING) TECHNOLOGY
6.7 CASE STUDY ANALYSIS
6.7.1 CASE STUDY ON VEOLIA GROUP
TABLE 12 BENEFITS OF OSG HYDREX
6.7.2 CASE STUDY ON ECOLAB INC.

6.8 TRADE DATA STATISTICS
6.8.1 IMPORT SCENARIO OF BIOCIDES
FIGURE 26 IMPORT OF BIOCIDES, BY KEY COUNTRIES (2016–2021)
TABLE 13 IMPORT OF BIOCIDES, BY REGION, 2016–2021 (USD MILLION)
6.8.2 EXPORT SCENARIO OF BIOCIDES
FIGURE 27 EXPORT OF BIOCIDES, BY KEY COUNTRIES (2016–2021)
TABLE 14 EXPORT OF BIOCIDES, BY REGION, 2016–2021 (USD MILLION)
6.9 REGULATORY LANDSCAPE
6.9.1 REGULATIONS RELATED TO BIOCIDES
6.10 KEY CONFERENCES & EVENTS IN 2022–2023
TABLE 15 BIOCIDES MARKET: DETAILED LIST OF CONFERENCES & EVENTS
6.11 PATENT ANALYSIS
6.11.1 APPROACH
6.11.2 DOCUMENT TYPE
TABLE 16 GRANTED PATENTS ACCOUNTED FOR 39% OF TOTAL COUNT
FIGURE 28 LIST OF BIOCIDE PATENTS
FIGURE 29 PATENT PUBLICATION TRENDS FOR BIOCIDES MARKET, 2011–2021
FIGURE 30 LEGAL STATUS OF PATENTS
6.11.3 JURISDICTION ANALYSIS
FIGURE 31 MAXIMUM PATENTS FILED BY COMPANIES IN US
6.11.4 TOP APPLICANTS
FIGURE 32 ECOLAB INC. REGISTERED MAXIMUM NUMBER OF PATENTS BETWEEN 2011 AND 2021
TABLE 17 RECENT PATENTS BY ECOLAB INC.
TABLE 18 RECENT PATENTS BY DOW INC.
TABLE 19 RECENT PATENTS BY COGNIS GROUP, INC.
TABLE 20 TOP 10 PATENT OWNERS IN US, 2011–2021

7 BIOCIDES MARKET, BY TYPE

7.1 INTRODUCTION
TABLE 21 TYPES OF BIOCIDES USED IN INDUSTRIAL APPLICATIONS
FIGURE 33 NON-OXIDIZING BIOCIDES TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD
TABLE 22 BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (KILOTON)
TABLE 23 BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (KILOTON)
TABLE 24 BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (USD MILLION)
TABLE 25 BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (USD MILLION)
7.2 OXIDIZING BIOCIDES

7.2.1 GROWING DEMAND FOR TREATED MUNICIPAL WATER DUE TO POPULATION GROWTH
TABLE 26 OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2017–2020 (KILOTON)
TABLE 27 OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2021–2027 (KILOTON)
TABLE 28 OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)
TABLE 29 OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2021–2027 (USD MILLION)
7.3 NON-OXIDIZING BIOCIDES
7.3.1 EXTENSIVE USE IN OIL & GAS PRODUCTION
TABLE 30 ADVANTAGES AND DISADVANTAGES OF NON-OXIDIZING BIOCIDES
TABLE 31 NON-OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2017–2020 (KILOTON)
TABLE 32 NON-OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2021–2027 (KILOTON)
TABLE 33 NON-OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)
TABLE 34 NON-OXIDIZING BIOCIDES MARKET SIZE, BY REGION, 2021–2027 (USD MILLION)
7.4 OTHER BIOCIDES
TABLE 35 OTHERS MARKET SIZE, BY REGION, 2017–2020 (KILOTON)
TABLE 36 OTHERS MARKET, BY REGION, 2021–2027 (KILOTON)
TABLE 37 OTHERS MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)
TABLE 38 OTHERS MARKET SIZE, BY REGION, 2021–2027 (USD MILLION)

8 BIOCIDES MARKET, BY APPLICATION

8.1 INTRODUCTION
FIGURE 34 WATER TREATMENT APPLICATION TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD
TABLE 39 BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 40 BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 41 BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 42 BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
8.2 WATER TREATMENT
FIGURE 35 MUNICIPAL WATER TREATMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD
TABLE 43 BIOCIDES MARKET SIZE IN WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)

TABLE 44 BIOCIDES MARKET SIZE IN WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 45 BIOCIDES MARKET SIZE IN WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 46 BIOCIDES MARKET SIZE IN WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.1 MUNICIPAL WATER TREATMENT
8.2.1.1 Growing population, limited freshwater resources, and increasing water scarcity
TABLE 47 BIOCIDES MARKET SIZE IN MUNICIPAL WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)
TABLE 48 BIOCIDES MARKET SIZE IN MUNICIPAL WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 49 BIOCIDES MARKET SIZE IN MUNICIPAL WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 50 BIOCIDES MARKET SIZE IN MUNICIPAL WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.2 OIL & GAS
8.2.2.1 Need for microbial control for operational efficiency
TABLE 51 BIOCIDES MARKET SIZE IN OIL & GAS WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)
TABLE 52 BIOCIDES MARKET SIZE IN OIL & GAS WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 53 BIOCIDES MARKET SIZE IN OIL & GAS WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 54 BIOCIDES MARKET SIZE IN OIL & GAS WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.3 POWER PLANTS
8.2.3.1 Growth in power generation industry
TABLE 55 BIOCIDES MARKET SIZE IN POWER PLANTS WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)
TABLE 56 BIOCIDES MARKET SIZE IN POWER PLANTS WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 57 BIOCIDES MARKET SIZE IN POWER PLANTS WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 58 BIOCIDES MARKET SIZE IN POWER PLANTS WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.4 PULP & PAPER
8.2.4.1 Increasing use in process water for pulp & paper applications

TABLE 59 BIOCIDES MARKET SIZE IN PULP & PAPER WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)
TABLE 60 BIOCIDES MARKET SIZE IN PULP & PAPER WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 61 BIOCIDES MARKET SIZE IN PULP & PAPER WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 62 BIOCIDES MARKET SIZE IN PULP & PAPER WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.5 SWIMMING POOLS
8.2.5.1 Regular use of chlorine for swimming pool water treatment
TABLE 63 BIOCIDES MARKET SIZE IN SWIMMING POOLS WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)
TABLE 64 BIOCIDES MARKET SIZE IN SWIMMING POOLS WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 65 BIOCIDES MARKET SIZE IN SWIMMING POOL WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 66 BIOCIDES MARKET SIZE IN SWIMMING POOL WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.6 MINING
8.2.6.1 Extensive use in water-intensive mining applications
TABLE 67 BIOCIDES MARKET SIZE IN MINING WATER TREATMENT, BY REGION, 2017–2020 (KILOTON)
TABLE 68 BIOCIDES MARKET SIZE IN MINING WATER TREATMENT, BY REGION, 2021–2027 (KILOTON)
TABLE 69 BIOCIDES MARKET SIZE IN MINING WATER TREATMENT, BY REGION, 2017–2020 (USD MILLION)
TABLE 70 BIOCIDES MARKET SIZE IN MINING WATER TREATMENT, BY REGION, 2021–2027 (USD MILLION)
8.2.7 OTHER WATER TREATMENT APPLICATIONS
TABLE 71 BIOCIDES MARKET SIZE IN OTHER WATER TREATMENT APPLICATIONS, BY REGION, 2017–2020 (KILOTON)
TABLE 72 BIOCIDES MARKET SIZE IN OTHER WATER TREATMENT APPLICATIONS, BY REGION, 2021–2027 (KILOTON)
TABLE 73 BIOCIDES MARKET SIZE IN OTHER WATER TREATMENT APPLICATIONS, BY REGION, 2017–2020 (USD MILLION)
TABLE 74 BIOCIDES MARKET SIZE IN OTHER WATER TREATMENT APPLICATIONS, BY REGION, 2021–2027 (USD MILLION)
8.3 HOUSEHOLD, INDUSTRIAL & INSTITUTIONAL CLEANING, AND HOME CARE
8.3.1 EXTENSIVE USE OF TRICLOSAN & BENZALKONIUM CHLORIDE AND

OTHER BIOCIDES
TABLE 75 BIOCIDES MARKET SIZE IN HOUSEHOLD, INDUSTRIAL & INSTITUTIONAL CLEANING, AND HOME CARE, BY REGION, 2017–2020 (KILOTON)
TABLE 76 BIOCIDES MARKET SIZE IN HOUSEHOLD, INDUSTRIAL & INSTITUTIONAL CLEANING, AND HOME CARE, BY REGION, 2021–2027 (KILOTON)
TABLE 77 BIOCIDES MARKET SIZE IN HOUSEHOLD, INDUSTRIAL & INSTITUTIONAL CLEANING, AND HOME CARE, BY REGION, 2017–2020 (USD MILLION)
TABLE 78 BIOCIDES MARKET SIZE IN HOUSEHOLD, INDUSTRIAL & INSTITUTIONAL CLEANING, AND HOME CARE, BY REGION, 2021–2027 (USD MILLION)
8.4 WOOD PRESERVATIVES
8.4.1 RAPID GROWTH DUE TO RISE IN CONSTRUCTION INDUSTRY
TABLE 79 BIOCIDES MARKET SIZE IN WOOD PRESERVATIVES, BY REGION, 2017–2020 (KILOTON)
TABLE 80 BIOCIDES MARKET SIZE IN WOOD PRESERVATIVES, BY REGION, 2021–2027 (KILOTON)
TABLE 81 BIOCIDES MARKET SIZE IN WOOD PRESERVATIVES, BY REGION, 2017–2020 (USD MILLION)
TABLE 82 BIOCIDES MARKET SIZE IN WOOD PRESERVATIVES, BY REGION, 2021–2027 (USD MILLION)
8.5 PAINTS & COATINGS
8.5.1 MARINE COATINGS TO GROW DUE TO VARIOUS MERGERS AND UPCOMING PROJECTS IN THE SHIPBUILDING INDUSTRY
TABLE 83 BIOCIDES MARKET SIZE IN PAINTS & COATINGS, BY REGION, 2017–2020 (KILOTON)
TABLE 84 BIOCIDES MARKET SIZE IN PAINTS & COATINGS, BY REGION, 2021–2027 (KILOTON)
TABLE 85 BIOCIDES MARKET SIZE IN PAINTS & COATINGS, BY REGION, 2017–2020 (USD MILLION)
TABLE 86 BIOCIDES MARKET SIZE IN PAINTS & COATINGS, BY REGION, 2021–2027 (USD MILLION)
8.5.2 MARINE COATINGS
8.5.2.1 Mergers and upcoming projects in shipbuilding industry
8.5.3 OTHER PAINTS & COATINGS
8.6 OTHERS
TABLE 87 BIOCIDES MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2017–2020 (KILOTON)
TABLE 88 BIOCIDES MARKET SIZE IN OTHER APPLICATIONS, BY REGION,

2021–2027 (KILOTON)
TABLE 89 BIOCIDES MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2017–2020 (USD MILLION)
TABLE 90 BIOCIDES MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2021–2027 (USD MILLION)

9 BIOCIDES MARKET, BY REGION

9.1 INTRODUCTION
FIGURE 36 NORTH AMERICA TO BE FASTEST-GROWING BIOCIDES MARKET BETWEEN 2022 AND 2027
TABLE 91 BIOCIDES MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)
TABLE 92 BIOCIDES MARKET SIZE, BY REGION, 2021–2027 (USD MILLION)
TABLE 93 BIOCIDES MARKET SIZE, BY REGION, 2017–2020 (KILOTON)
TABLE 94 BIOCIDES MARKET SIZE, BY REGION, 2021–2027 (KILOTON)
9.2 NORTH AMERICA
FIGURE 37 NORTH AMERICA MARKET SNAPSHOT: US ACCOUNTED FOR LARGEST MARKET SHARE IN 2021
9.2.1 NORTH AMERICA BIOCIDES MARKET, BY TYPE
TABLE 95 NORTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (KILOTON)
TABLE 96 NORTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (KILOTON)
TABLE 97 NORTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (USD MILLION)
TABLE 98 NORTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (USD MILLION)
9.2.2 NORTH AMERICA BIOCIDES MARKET, BY APPLICATION
TABLE 99 NORTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 100 NORTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 101 NORTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 102 NORTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.2.3 NORTH AMERICA BIOCIDES MARKET, BY COUNTRY
TABLE 103 NORTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (KILOTON)

TABLE 104 NORTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (KILOTON)
TABLE 105 NORTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)
TABLE 106 NORTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (USD MILLION)
9.2.3.1 US
9.2.3.1.1 Growing use of biocides in automotive and construction industries
TABLE 107 US: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 108 US: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 109 US: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 110 US: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.2.3.2 Canada
9.2.3.2.1 Widespread use in municipal water treatment and paper & pulp industries
TABLE 111 CANADA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 112 CANADA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 113 CANADA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 114 CANADA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.2.3.3 Mexico
9.2.3.3.1 Increased construction activities
TABLE 115 MEXICO: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 116 MEXICO: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 117 MEXICO: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 118 MEXICO: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.3 EUROPE
FIGURE 38 EUROPE MARKET SNAPSHOT: GERMANY ACCOUNTED FOR LARGEST MARKET SHARE IN 2021
9.3.1 EUROPE BIOCIDES MARKET, BY TYPE
TABLE 119 EUROPE: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (KILOTON)

TABLE 120 EUROPE: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (KILOTON)
TABLE 121 EUROPE: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (USD MILLION)
TABLE 122 EUROPE: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (USD MILLION)
9.3.2 EUROPE BIOCIDES MARKET, BY APPLICATION
TABLE 123 EUROPE: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 124 EUROPE: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 125 EUROPE: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 126 EUROPE: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.3.3 EUROPE BIOCIDES MARKET, BY COUNTRY
TABLE 127 EUROPE: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (KILOTON)
TABLE 128 EUROPE: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (KILOTON)
TABLE 129 EUROPE: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)
TABLE 130 EUROPE: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (USD MILLION)
9.3.3.1 Russia
9.3.3.1.1 Oil & gas water treatment application
TABLE 131 RUSSIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 132 RUSSIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 133 RUSSIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 134 RUSSIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.3.3.2 Germany
9.3.3.2.1 Increased demand for environmentally friendly biocides to drive non-oxidizing biocides segment
TABLE 135 GERMANY: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 136 GERMANY: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027

(KILOTON)
TABLE 137 GERMANY: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 138 GERMANY: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.3.3.3 France
9.3.3.3.1 Investments by personal care giants
TABLE 139 FRANCE: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 140 FRANCE: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 141 FRANCE: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 142 FRANCE: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.3.3.4 Italy
9.3.3.4.1 Expansion in FDI to lead industrialization
TABLE 143 ITALY: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 144 ITALY: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 145 ITALY: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 146 ITALY: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.3.3.5 UK
9.3.3.5.1 Beauty industry to drive market
TABLE 147 UK: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 148 UK: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 149 UK: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 150 UK: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4 ASIA PACIFIC
FIGURE 39 ASIA PACIFIC MARKET SNAPSHOT: CHINA ACCOUNTED FOR LARGEST MARKET SHARE IN 2021
9.4.1 ASIA PACIFIC BIOCIDES MARKET, BY TYPE
TABLE 151 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (KILOTON)

TABLE 152 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (KILOTON)
TABLE 153 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (USD MILLION)
TABLE 154 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (USD MILLION)
9.4.2 ASIA PACIFIC BIOCIDES MARKET, BY APPLICATION
TABLE 155 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 156 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 157 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 158 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4.3 ASIA PACIFIC BIOCIDES MARKET, BY COUNTRY
TABLE 159 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (KILOTON)
TABLE 160 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (KILOTON)
TABLE 161 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)
TABLE 162 ASIA PACIFIC: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (USD MILLION)
9.4.3.1 China
9.4.3.1.1 Rising demand from water treatment applications
TABLE 163 CHINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 164 CHINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 165 CHINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 166 CHINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4.3.2 Japan
9.4.3.2.1 Infrastructure, shipbuilding, and automotive sectors
TABLE 167 JAPAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 168 JAPAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027

(KILOTON)
TABLE 169 JAPAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 170 JAPAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4.3.3 India
9.4.3.3.1 Increased demand for clean drinking water and hygiene products
TABLE 171 INDIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 172 INDIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 173 INDIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 174 INDIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4.3.4 South Korea
9.4.3.4.1 Presence of technologically advanced vehicle manufacturers
TABLE 175 SOUTH KOREA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 176 SOUTH KOREA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 177 SOUTH KOREA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 178 SOUTH KOREA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4.3.5 Indonesia
9.4.3.5.1 Increasing FDI in manufacturing industry
TABLE 179 INDONESIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 180 INDONESIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 181 INDONESIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 182 INDONESIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.4.3.6 Australia & New Zealand
9.4.3.6.1 Use in water treatment and wood preservative applications
TABLE 183 AUSTRALIA & NEW ZEALAND: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 184 AUSTRALIA & NEW ZEALAND: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 185 AUSTRALIA & NEW ZEALAND: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 186 AUSTRALIA & NEW ZEALAND: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.5 MIDDLE EAST & AFRICA
9.5.1 MIDDLE EAST & AFRICA BIOCIDES MARKET, BY TYPE
TABLE 187 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (KILOTON)
TABLE 188 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (KILOTON)
TABLE 189 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (USD MILLION)
TABLE 190 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (USD MILLION)
9.5.2 MIDDLE EAST & AFRICA BIOCIDES MARKET, BY APPLICATION
TABLE 191 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 192 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 193 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 194 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.5.3 MIDDLE EAST & AFRICA BIOCIDES MARKET, BY COUNTRY
TABLE 195 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (KILOTON)
TABLE 196 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (KILOTON)
TABLE 197 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)
TABLE 198 MIDDLE EAST & AFRICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (USD MILLION)
9.5.3.1 Saudi Arabia
9.5.3.1.1 High consumption of biocides in oil & gas sector
TABLE 199 SAUDI ARABIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 200 SAUDI ARABIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027

(KILOTON)
TABLE 201 SAUDI ARABIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 202 SAUDI ARABIA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.5.3.2 Iran
9.5.3.2.1 Demand for biocides for water treatment in mining industry
TABLE 203 IRAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 204 IRAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 205 IRAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 206 IRAN: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.5.3.3 South Africa
9.5.3.3.1 Large number of automotive plants
TABLE 207 SOUTH AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 208 SOUTH AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 209 SOUTH AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 210 SOUTH AFRICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.5.3.4 UAE
9.5.3.4.1 Construction industry to drive demand for wood preservatives and paints & coatings
TABLE 211 UAE: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 212 UAE: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 213 UAE: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 214 UAE: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.6 SOUTH AMERICA
9.6.1 SOUTH AMERICA BIOCIDES MARKET, BY TYPE
TABLE 215 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020

(KILOTON)
TABLE 216 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (KILOTON)
TABLE 217 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2017–2020 (USD MILLION)
TABLE 218 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY TYPE, 2021–2027 (USD MILLION)
9.6.2 SOUTH AMERICA BIOCIDES MARKET, BY APPLICATION
TABLE 219 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 220 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 221 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 222 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.6.3 SOUTH AMERICA BIOCIDES MARKET, BY COUNTRY
TABLE 223 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (KILOTON)
TABLE 224 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (KILOTON)
TABLE 225 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)
TABLE 226 SOUTH AMERICA: BIOCIDES MARKET SIZE, BY COUNTRY, 2021–2027 (USD MILLION)
9.6.3.1 Brazil
9.6.3.1.1 Extensive use of biocides in construction industry
TABLE 227 BRAZIL: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)
TABLE 228 BRAZIL: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 229 BRAZIL: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 230 BRAZIL: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)
9.6.3.2 Argentina
9.6.3.2.1 Increasing demand for household & personal care products
TABLE 231 ARGENTINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 232 ARGENTINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (KILOTON)
TABLE 233 ARGENTINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2017–2020 (USD MILLION)
TABLE 234 ARGENTINA: BIOCIDES MARKET SIZE, BY APPLICATION, 2021–2027 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION
10.2 STRATEGIES ADOPTED BY KEY PLAYERS
10.2.1 OVERVIEW OF STRATEGIES ADOPTED BY KEY MANUFACTURERS
10.3 MARKET SHARE ANALYSIS
10.3.1 RANKING OF KEY MARKET PLAYERS, 2021
FIGURE 40 RANKING OF TOP FIVE PLAYERS IN BIOCIDES MARKET, 2021
10.3.2 MARKET SHARE OF KEY PLAYERS
TABLE 235 BIOCIDES MARKET: DEGREE OF COMPETITION
FIGURE 41 LANXESS AG LED BIOCIDES MARKET IN 2021
10.3.2.1 LANXESS AG
10.3.2.2 Arxada AG
10.3.2.3 Veolia Group
10.3.2.4 Ecolab Inc.
10.3.2.5 Nouryon
10.3.3 REVENUE ANALYSIS OF TOP FIVE PLAYERS
FIGURE 42 REVENUE ANALYSIS OF KEY COMPANIES IN LAST FIVE YEARS
10.4 COMPANY PRODUCT FOOTPRINT ANALYSIS
FIGURE 43 BIOCIDES MARKET: COMPANY FOOTPRINT
TABLE 236 BIOCIDES MARKET: TYPE FOOTPRINT
TABLE 237 BIOCIDES MARKET: END-USE INDUSTRY FOOTPRINT
TABLE 238 BIOCIDES MARKET: COMPANY REGION FOOTPRINT
10.5 COMPANY EVALUATION QUADRANT (TIER 1)
10.5.1 STAR PLAYERS
10.5.2 EMERGING LEADERS
10.5.3 PARTICIPANT PLAYERS
FIGURE 44 COMPANY EVALUATION QUADRANT FOR BIOCIDES MARKET (TIER 1)
10.6 COMPETITIVE BENCHMARKING
TABLE 239 BIOCIDES MARKET: DETAILED LIST OF KEY START-UPS/SMES
TABLE 240 BIOCIDES MARKET: COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES

10.7 START-UP/SME EVALUATION QUADRANT
10.7.1 PROGRESSIVE COMPANIES
10.7.2 RESPONSIVE COMPANIES
10.7.3 STARTING BLOCKS
FIGURE 45 START-UP/SME EVALUATION QUADRANT FOR BIOCIDES MARKET
10.8 COMPETITIVE SCENARIOS
10.8.1 DEALS
TABLE 241 BIOCIDES MARKET: DEALS (2018–2022)
10.8.2 NEW PRODUCT LAUNCHES
TABLE 242 BIOCIDES MARKET: NEW PRODUCT LAUNCHES (2018–2022)
10.8.3 OTHER DEVELOPMENTS
TABLE 243 BIOCIDES MARKET: EXPANSIONS, INVESTMENTS, AND INNOVATIONS (2018–2022)

11 COMPANY PROFILES

11.1 MAJOR PLAYERS
(Business Overview, Products Offered, Recent Developments, Deals, MnM view, Key strengths/right to win, Strategic choices made, Weakness/competitive threats)*
11.1.1 LANXESS AG
FIGURE 46 LANXESS AG: COMPANY SNAPSHOT
TABLE 244 LANXESS AG: COMPANY OVERVIEW
11.1.2 VEOLIA GROUP
FIGURE 47 VEOLIA GROUP: COMPANY SNAPSHOT
TABLE 245 VEOLIA GROUP: COMPANY OVERVIEW
11.1.3 ARXADA AG
TABLE 246 ARXADA AG: COMPANY OVERVIEW
11.1.4 ECOLAB INC.
FIGURE 48 ECOLAB INC.: COMPANY SNAPSHOT
TABLE 247 ECOLAB INC.: COMPANY OVERVIEW
11.1.5 NOURYON
TABLE 248 NOURYON: COMPANY OVERVIEW
11.1.6 GENERAL ELECTRIC COMPANY
FIGURE 49 GENERAL ELECTRIC COMPANY: COMPANY SNAPSHOT
TABLE 249 GENERAL ELECTRIC COMPANY: COMPANY OVERVIEW
11.1.7 EVONIK INDUSTRIES AG
FIGURE 50 EVONIK INDUSTRIES AG: COMPANY SNAPSHOT
TABLE 250 EVONIK INDUSTRIES AG: COMPANY OVERVIEW
11.1.8 SOLVAY SA

FIGURE 51 SOLVAY SA: COMPANY SNAPSHOT
TABLE 251 SOLVAY SA: COMPANY OVERVIEW
11.1.9 CLARIANT AG
FIGURE 52 CLARIANT AG: COMPANY SNAPSHOT
TABLE 252 CLARIANT AG: COMPANY OVERVIEW
11.1.10 ITALMATCH CHEMICALS S.P.A
TABLE 253 ITALMATCH CHEMICALS S.P.A: COMPANY OVERVIEW
11.1.11 SOLENIS & SIGURA WATER
TABLE 254 SOLENIS & SIGURA WATER: COMPANY OVERVIEW
11.2 OTHER PLAYERS
11.2.1 KEMIRA OYJ
TABLE 255 KEMIRA OYJ: COMPANY OVERVIEW
11.2.2 STEPAN COMPANY
TABLE 256 STEPAN COMPANY: COMPANY OVERVIEW
11.2.3 DANAHER CORPORATION
TABLE 257 DANAHER CORPORATION: COMPANY OVERVIEW
11.2.4 ALBEMARLE CORPORATION
TABLE 258 ALBEMARLE CORPORATION: COMPANY OVERVIEW
11.2.5 FMC CORPORATION
TABLE 259 FMC CORPORATION: COMPANY OVERVIEW
11.2.6 ICL GROUP
TABLE 260 ICL GROUP: COMPANY OVERVIEW
11.2.7 CHEVRON CORPORATION
TABLE 261 CHEVRON CORPORATION: COMPANY OVERVIEW
11.2.8 CES ENERGY SOLUTIONS CORP.
TABLE 262 CES ENERGY SOLUTIONS CORP.: COMPANY OVERVIEW
11.2.9 ARKEMA SA
TABLE 263 ARKEMA SA: COMPANY OVERVIEW
11.2.10 THE LUBRIZOL CORPORATION
TABLE 264 THE LUBRIZOL CORPORATION: COMPANY OVERVIEW
11.2.11 THOR GROUP LIMITED
TABLE 265 THOR GROUP LIMITED: COMPANY OVERVIEW
11.2.12 CHEMICREA INC.
TABLE 266 CHEMICREA INC.: COMPANY OVERVIEW
11.2.13 MERCK KGAA
TABLE 267 MERCK KGAA: COMPANY OVERVIEW
11.2.14 ACCEPTA WATER TREATMENT
TABLE 268 ACCEPTA WATER TREATMENT: COMPANY OVERVIEW
*Details on Business Overview, Products Offered, Recent Developments, Deals, MnM

view, Key strengths/right to win, Strategic choices made, Weakness/competitive threats might not be captured in case of unlisted companies.

12 ADJACENT & RELATED MARKETS

12.1 INTRODUCTION
12.2 LIMITATIONS
12.3 SURFACTANTS MARKET
12.3.1 MARKET DEFINITION
12.3.2 MARKET OVERVIEW
12.4 WATER TREATMENT CHEMICALS MARKET, BY REGION
TABLE 269 WATER TREATMENT CHEMICALS MARKET SIZE, BY REGION, 2018–2021 (USD MILLION)
TABLE 270 WATER TREATMENT CHEMICALS MARKET SIZE, BY REGION, 2018–2021 (KILOTON)
TABLE 271 WATER TREATMENT CHEMICALS MARKET SIZE, BY REGION, 2022–2027 (USD MILLION)
TABLE 272 WATER TREATMENT CHEMICALS MARKET SIZE, BY REGION, 2022–2027 (KILOTON)
12.4.1 NORTH AMERICA
TABLE 273 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 274 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (KILOTON)
TABLE 275 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 276 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (KILOTON)
TABLE 277 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (USD MILLION)
TABLE 278 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (KILOTON)
TABLE 279 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (USD MILLION)
TABLE 280 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (KILOTON)
TABLE 281 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (USD MILLION)
TABLE 282 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE,

BY INDUSTRIAL END USER, 2018–2021 (KILOTON)
TABLE 283 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (USD MILLION)
TABLE 284 NORTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (KILOTON)
12.4.2 EUROPE
TABLE 285 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 286 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (KILOTON)
TABLE 287 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 288 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (KILOTON)
TABLE 289 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (USD MILLION)
TABLE 290 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (KILOTON)
TABLE 291 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (USD MILLION)
TABLE 292 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (KILOTON)
TABLE 293 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (USD MILLION)
TABLE 294 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (KILOTON)
TABLE 295 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (USD MILLION)
TABLE 296 EUROPE: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (KILOTON)
12.4.3 ASIA PACIFIC
TABLE 297 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 298 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (KILOTON)
TABLE 299 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 300 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (KILOTON)

TABLE 301 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (USD MILLION)
TABLE 302 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (KILOTON)
TABLE 303 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (USD MILLION)
TABLE 304 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (KILOTON)
TABLE 305 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (USD MILLION)
TABLE 306 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (KILOTON)
TABLE 307 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (USD MILLION)
TABLE 308 ASIA PACIFIC: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (KILOTON)
12.4.4 MIDDLE EAST & AFRICA
TABLE 309 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 310 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (KILOTON)
TABLE 311 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 312 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (KILOTON)
TABLE 313 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (USD MILLION)
TABLE 314 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (KILOTON)
TABLE 315 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (USD MILLION)
TABLE 316 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (KILOTON)
TABLE 317 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (USD MILLION)
TABLE 318 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (KILOTON)
TABLE 319 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (USD MILLION)

TABLE 320 MIDDLE EAST & AFRICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (KILOTON)
12.4.5 SOUTH AMERICA
TABLE 321 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 322 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2018–2021 (KILOTON)
TABLE 323 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 324 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY COUNTRY, 2022–2027 (KILOTON)
TABLE 325 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (USD MILLION)
TABLE 326 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2018–2021 (KILOTON)
TABLE 327 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (USD MILLION)
TABLE 328 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY END USER, 2022–2027 (KILOTON)
TABLE 329 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (USD MILLION)
TABLE 330 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2018–2021 (KILOTON)
TABLE 331 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (USD MILLION)
TABLE 332 SOUTH AMERICA: WATER TREATMENT CHEMICALS MARKET SIZE, BY INDUSTRIAL END USER, 2022–2027 (KILOTON)

13 APPENDIX

13.1 DISCUSSION GUIDE
13.2 KNOWLEDGESTORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
13.3 CUSTOMIZATION OPTIONS
13.4 RELATED REPORTS
13.5 AUTHOR DETAILS

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