

**Oxygen-Free Copper Market by Grade (Cu-OF, Cu-OFE), Product Form (Wires, Strips, Busbar & Rods), End-use Industry (Electronics & Electrical, Automotive), and Region( North America, Europe, APAC, MEA, South America) - Global Forecast to 2029**

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**Report description:**

The global oxygen-free copper market size is projected to grow from USD 30.9 billion in 2024 to USD 40.4 billion by 2029, at a CAGR of 5.5% during the forecast period.

The oxygen-free copper market is projected to grow considerably owing to the growing electronics & electrical and automotive industries globally. The increasing demand for high-quality materials in the aerospace, transportation, and defense industries along with the development of the electronics market in the economies like China, Brazil, and India has driven the growth in the market.

"By Grade, Cu-OF accounts for major market share."

Cu-OF (Copper Oxygen-Free) dominates the oxygen-free copper market due to its purity of 99.95% and excellent electrical conductivity. Widely used in electronics, telecommunications, and automotive sectors, Cu-OF's superior properties make it the preferred choice over Cu-OFE, driving its larger market share.

"By Product Form, Wires segment to account for major market share."

In 2023, the wire segment dominated the oxygen-free copper market in both value and volume. Throughout the forecast period, this segment is expected to maintain its leading position. Oxygen-free copper wires are primarily used in high-end audio and video systems, as well as for custom oxygen-free copper wiring assemblies. They are utilized in speaker wires, audio/video cables, assemblies, and amplifier wires. Compared to standard copper wires, oxygen-free copper wires offer benefits such as enhanced conductivity and the capability to transmit low-frequency sounds more effectively.

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"By End Use Industry, the Automotive segment accounts for the highest CAGR during the forecast period."

The automotive segment is the fastest-growing segment in the oxygen-free copper market due to several key factors. With the global shift towards electric and hybrid vehicles, there's an increasing demand for high-performance materials like oxygen-free copper in automotive applications. Oxygen-free copper's superior electrical conductivity makes it essential for battery components, wiring harnesses, and electrical systems in Electric Vehicles (EVs) and Hybrid Electric Vehicles (HEVs). Additionally, advancements in automotive electronics and the growing complexity of vehicle electrical systems further drive the demand for oxygen-free copper. As automotive manufacturers continue to prioritize efficiency, performance, and sustainability, the use of oxygen-free copper is expected to expand rapidly in this sector, making it the fastest-growing segment in the oxygen-free copper market.

"By region, Asia Pacific oxygen-free copper market to dominate the market during the forecast period."

Asia Pacific dominates the oxygen-free copper market as the largest consumer, driven by the electronics & electrical, and automotive sectors, among others. Key countries like Japan, China, Korea, Taiwan, India, and Singapore serve as primary hubs for the manufacturing and sale of electrical & electronic goods, which are significant users of oxygen-free copper. The region is also experiencing a growing preference for Electric Vehicles (EVs), including Hybrid Electric Vehicles (HEVs). China stands out as a major market due to its high production and consumption of electrical & electronic goods. Japan, known for its technological advancements, is also a notable market for this copper grade. Both China and India have emerged as key manufacturing centers for electronics, electrical, and automotive products. Furthermore, the expanding e-commerce industry in the Asia Pacific is boosting the demand for electronic goods. With cost advantages like cheap labor and abundant raw materials, the region attracts foreign investments, particularly in manufacturing. Overall, the increasing demand from Asia Pacific is poised to drive the oxygen-free copper market.

By Company: Tier1: 40%, Tier 2: 25%, Tier3: 4: 35%

By Designation: C-Level: 35%, Director Level: 30%, Others: 35%

By Region: North America: 25%, Europe: 20%, Asia Pacific: 45%, South America: 5%, and Middle East & Africa: 5%.

Companies Covered:

KGHM Polska Miedz SA (Poland), Proterial Metals, Ltd. (Japan), Mitsubishi Materials Corporation (Japan), Metrod Holdings Berhad (Malaysia), Aviva Metals (US), Aurubis AG (Germany), Copper Braid Products (UK), KME Germany GmbH (Germany), Sam Dong (South Korea), and others are covered in the oxygen free copper market.

Research Coverage

The market study covers the oxygen free copper market across various segments. It aims at estimating the market size and the growth potential of this market across different segments based on grade, product form, end-use industry, and region. The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position in the oxygen-free copper market.

Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall oxygen-free copper market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims to help stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (Increasing EV sales, increasing demand for oxygen-free copper in the electronics & electrical end-use industry), restraints (High cost of oxygen-free copper processing), opportunities (Strong demand from APAC region), and challenges (Volatile copper prices) influencing the growth of the oxygen-free copper market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new

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product & service launches in the oxygen-free copper market

- Market Development: Comprehensive information about lucrative markets - the report analyses the oxygen-free copper market across varied regions

- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the oxygen-free copper market

- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like KGHM Polska Miedz SA (Poland), Proterial Metals, Ltd. (Japan), Mitsubishi Materials Corporation (Japan), Metrod Holdings Berhad (Malaysia), Aviva Metals (US), Aurubis AG (Germany), Copper Braid Products (UK), KME Germany GmbH (Germany), Sam Dong (South Korea) among others in the oxygen-free copper market. The report also helps stakeholders understand the pulse of the oxygen-free copper market and provides them with information on key market drivers, restraints, challenges, and opportunities.

## **Table of Contents:**

1	INTRODUCTION	44
1.1	STUDY OBJECTIVES	44
1.2	MARKET DEFINITION	44
1.3	STUDY SCOPE	45
FIGURE 1	OXYGEN-FREE COPPER MARKET SEGMENTATION	45
1.3.1	YEARS CONSIDERED	45
1.3.2	REGIONS COVERED	46
1.3.3	INCLUSIONS AND EXCLUSIONS	46
TABLE 1	INCLUSIONS AND EXCLUSIONS	46
1.4	CURRENCY CONSIDERED	47
1.5	UNITS CONSIDERED	47
1.6	LIMITATIONS	47
1.7	STAKEHOLDERS	47
1.8	SUMMARY OF CHANGES	48
2	RESEARCH METHODOLOGY	49
2.1	RESEARCH DATA	49
FIGURE 2	OXYGEN-FREE COPPER MARKET: RESEARCH DESIGN	49
2.1.1	SECONDARY DATA	50
2.1.1.1	Key data from secondary sources	50
2.1.2	PRIMARY DATA	51
2.1.2.1	Key data from primary sources	51
2.1.2.2	Key industry insights	52
2.1.2.3	Breakdown of primary interviews	52
2.2	MARKET SIZE ESTIMATION	53
FIGURE 3	MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH	53
FIGURE 4	MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH	54
2.2.1	VOLUME MARKET APPROACH	54
2.2.1.1	Approach based on oxygen-free copper consumption, by country	54
2.3	DATA TRIANGULATION	55
FIGURE 5	OXYGEN-FREE COPPER MARKET: DATA TRIANGULATION	55
2.4	FACTOR ANALYSIS	56
2.5	IMPACT OF RECESSION	56
2.6	RESEARCH ASSUMPTIONS	57
2.7	RESEARCH LIMITATIONS	57
2.8	RISK ASSESSMENT	57

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### 3 EXECUTIVE SUMMARY 58

FIGURE 6 CU-OF GRADE TO ACCOUNT FOR LARGER MARKET SHARE DURING FORECAST PERIOD 59

FIGURE 7 WIRES TO BE FASTEST-GROWING PRODUCT FORM DURING FORECAST PERIOD 59

FIGURE 8 ELECTRONICS & ELECTRICAL SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD 60

FIGURE 9 ASIA PACIFIC DOMINATED OXYGEN-FREE COPPER MARKET IN 2023 60

### 4 PREMIUM INSIGHTS 62

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN OXYGEN-FREE COPPER MARKET 62

FIGURE 10 RAPID INDUSTRIALIZATION AND SURGE IN E-COMMERCE TO DRIVE MARKET 62

4.2 OXYGEN-FREE COPPER MARKET, BY GRADE 62

FIGURE 11 CU-OF SEGMENT TO LEAD OVERALL MARKET DURING FORECAST PERIOD 62

4.3 OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM 63

FIGURE 12 WIRES SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD 63

4.4 OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY 63

FIGURE 13 ELECTRONICS & ELECTRICAL TO DOMINATE MARKET DURING FORECAST PERIOD 63

4.5 ASIA PACIFIC OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY AND COUNTRY 64

FIGURE 14 CHINA DOMINATED ASIA PACIFIC OXYGEN-FREE COPPER MARKET IN 2023 64

4.6 OXYGEN-FREE COPPER MARKET, BY KEY COUNTRIES 64

FIGURE 15 CHINA TO RECORD HIGHEST CAGR DURING FORECAST PERIOD 64

### 5 MARKET OVERVIEW 65

5.1 INTRODUCTION 65

5.2 MARKET DYNAMICS 65

FIGURE 16 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN OXYGEN-FREE COPPER MARKET 65

5.2.1 DRIVERS 66

5.2.1.1 Surge in sales of electric vehicles 66

FIGURE 17 ELECTRIC CAR SALES, 2017-2023 66

5.2.1.2 Rising demand for oxygen-free copper in electronics & electrical industry 66

5.2.1.3 Increasing e-commerce sales worldwide 67

FIGURE 18 GLOBAL B2B E-COMMERCE GMV 67

5.2.2 RESTRAINTS 68

5.2.2.1 High cost of oxygen-free copper processing 68

5.2.2.2 Increasing preference for electrolytic tough-pitch copper as a substitute 68

5.2.3 OPPORTUNITIES 68

5.2.3.1 Strong demand for oxygen-free copper in Asia Pacific 68

5.2.3.2 Untapped applications of copper-based magnetrons in various industries 69

5.2.4 CHALLENGES 69

5.2.4.1 Volatile price of copper 69

FIGURE 19 PRICE OF COPPER (2000-2024) 69

5.3 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS 70

FIGURE 20 REVENUE SHIFT FOR OXYGEN-FREE COPPER MANUFACTURERS 70

5.4 PRICING ANALYSIS 71

5.4.1 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY END-USE INDUSTRY 71

FIGURE 21 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TOP 3 END-USE INDUSTRIES 71

TABLE 2 AVERAGE PRICE TREND OF KEY PLAYERS, BY TOP 3 END-USE INDUSTRIES (USD/KG), 2023 71

5.4.2 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY REGION 72

FIGURE 22 AVERAGE SELLING PRICE TREND, BY REGION (USD/KG) 72

TABLE 3 AVERAGE PRICE TREND, BY REGION (USD/KG) 72

5.5 VALUE CHAIN ANALYSIS 72

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FIGURE 23 OXYGEN-FREE COPPER MARKET: VALUE CHAIN ANALYSIS 73

5.5.1 PROMINENT COMPANIES 73

5.5.2 SMALL & MEDIUM ENTERPRISES 73

5.6 ECOSYSTEM/MARKET MAP 75

FIGURE 24 OXYGEN-FREE COPPER MARKET: ECOSYSTEM MAP 75

TABLE 4 OXYGEN-FREE COPPER MARKET: ROLE IN ECOSYSTEM 75

5.7 TECHNOLOGY ANALYSIS 76

5.7.1 KEY TECHNOLOGY 76

5.7.1.1 Electrolytic refining 76

5.7.1.2 Casting and extrusion 77

5.7.1.3 Cold working and annealing 77

5.7.2 COMPLEMENTARY TECHNOLOGY 77

5.7.2.1 Semiconductor fabrication 77

5.7.2.2 Automotive technologies 78

5.7.3 ADJACENT TECHNOLOGY 78

5.7.3.1 Rautomead 78

5.8 PATENT ANALYSIS 79

5.8.1 INTRODUCTION 79

5.8.2 METHODOLOGY 79

FIGURE 25 TOP PATENT APPLICANTS 80

TABLE 5 LIST OF MAJOR PATENTS FOR OXYGEN-FREE COPPER 81

5.9 TRADE ANALYSIS 84

FIGURE 26 EXPORT SCENARIO, HS CODE 7403: COPPER, REFINED, AND UNWROUGHT COPPER ALLOYS 84

FIGURE 27 IMPORT SCENARIO, HS CODE 7403: COPPER, REFINED, AND UNWROUGHT COPPER ALLOYS 84

FIGURE 28 EXPORT SCENARIO, HS CODE 7407: BARS, RODS, AND PROFILES OF COPPER 85

FIGURE 29 IMPORT SCENARIO, HS CODE 7407: BARS, RODS, AND PROFILES OF COPPER 85

5.10 KEY CONFERENCES AND EVENTS 86

TABLE 6 OXYGEN-FREE COPPER MARKET: KEY CONFERENCES & EVENTS, 2024-2025 86

5.11 TARIFF AND REGULATORY LANDSCAPE 87

5.11.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 87

TABLE 7 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 87

TABLE 8 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 87

5.11.2 AVERAGE TARIFF RATES 88

TABLE 9 TARIFF RELATED TO COPPER, REFINED, AND UNWROUGHT COPPER ALLOYS 88

5.11.3 REGULATIONS IN OXYGEN-FREE COPPER MARKET 89

5.11.3.1 EN 1977:2013 89

5.11.3.2 ASTM B49-20 (Standard Specification for Copper Rod for Electrical Purposes) 89

5.11.3.3 EN CW009A 89

TABLE 10 SPECIFICATIONS RELATED TO OXYGEN-FREE COPPER PRODUCTS 89

5.12 PORTER'S FIVE FORCES ANALYSIS 91

FIGURE 30 OXYGEN-FREE COPPER MARKET: PORTER'S FIVE FORCES ANALYSIS 91

TABLE 11 OXYGEN-FREE COPPER MARKET: PORTER'S FIVE FORCES ANALYSIS 91

5.12.1 THREAT OF NEW ENTRANTS 92

5.12.2 THREAT OF SUBSTITUTES 92

5.12.3 BARGAINING POWER OF SUPPLIERS 92

5.12.4 BARGAINING POWER OF BUYERS 92

5.12.5 INTENSITY OF COMPETITIVE RIVALRY 93

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5.13	KEY STAKEHOLDERS AND BUYING CRITERIA	93
5.13.1	KEY STAKEHOLDERS IN BUYING PROCESS	93
FIGURE 31	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE END-USE INDUSTRIES	93
TABLE 12	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY END-USE INDUSTRIES	94
5.13.2	BUYING CRITERIA	94
FIGURE 32	KEY BUYING CRITERIA FOR TOP THREE END-USE INDUSTRIES	94
TABLE 13	KEY BUYING CRITERIA FOR TOP THREE END-USE INDUSTRIES	94
5.14	CASE STUDY ANALYSIS	95
5.14.1	CASE STUDY 1: OFHC FOR USE IN WINDING WIRE	95
5.14.2	CASE STUDY 2: USE OF OXYGEN-FREE COPPER FOR COST REDUCTION	96
5.14.3	CASE STUDY 3: TRACE ELEMENT TO ENHANCE HEAT AND STRESS RESISTANCE OF OXYGEN-FREE COPPER	97
5.15	INVESTMENT AND FUNDING SCENARIO	98
FIGURE 33	INVESTMENT AND FUNDING SCENARIO	98
5.16	MACROECONOMIC INDICATORS	98
5.16.1	INTRODUCTION	98
5.16.2	GDP TRENDS AND FORECASTS	98
TABLE 14	WORLD GDP GROWTH PROJECTION, 2021-2028 (USD TRILLION)	99
5.16.3	GLOBAL AUTOMOBILE PRODUCTION AND GROWTH	99
TABLE 15	GLOBAL AUTOMOBILE PRODUCTION (UNIT) AND GROWTH, BY COUNTRY (2021-2022)	99
6	OXYGEN-FREE COPPER MARKET, BY GRADE	101
6.1	INTRODUCTION	102
FIGURE 34	CU-OF TO BE FASTER-GROWING SEGMENT DURING FORECAST PERIOD	102
TABLE 16	OXYGEN-FREE COPPER MARKET SIZE, BY GRADE, 2019-2021 (USD MILLION)	102
TABLE 17	OXYGEN-FREE COPPER MARKET SIZE, BY GRADE, 2019-2021 (KILOTON)	102
TABLE 18	OXYGEN-FREE COPPER MARKET SIZE, BY GRADE, 2022-2029 (USD MILLION)	103
TABLE 19	OXYGEN-FREE COPPER MARKET SIZE, BY GRADE, 2022-2029 (KILOTON)	103
6.2	CU-OF	103
6.2.1	CU-OF COMMONLY USED IN CUTTING-EDGE SCIENTIFIC EQUIPMENT	103
TABLE 20	CU-OF: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (USD MILLION)	103
TABLE 21	CU-OF: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (KILOTON)	104
TABLE 22	CU-OF: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (USD MILLION)	104
TABLE 23	CU-OF: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (KILOTON)	104
6.3	CU-OFE	105
6.3.1	ASIA PACIFIC TO BE FASTEST-GROWING MARKET FOR CU-OFE SEGMENT	105
TABLE 24	CU-OFE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (USD MILLION)	105
TABLE 25	CU-OFE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (KILOTON)	105
TABLE 26	CU-OFE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (USD MILLION)	106
TABLE 27	CU-OFE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (KILOTON)	106
7	OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM	107
7.1	INTRODUCTION	108
FIGURE 35	WIRES SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD	108
TABLE 28	OXYGEN-FREE COPPER MARKET SIZE, BY PRODUCT FORM, 2019-2021 (USD MILLION)	108
TABLE 29	OXYGEN-FREE COPPER MARKET SIZE, BY PRODUCT FORM, 2019-2021 (KILOTON)	108
TABLE 30	OXYGEN-FREE COPPER MARKET SIZE, BY PRODUCT FORM, 2022-2029 (USD MILLION)	109
TABLE 31	OXYGEN-FREE COPPER MARKET SIZE, BY PRODUCT FORM, 2022-2029 (KILOTON)	109
7.2	WIRES	109
7.2.1	MOST WIDELY USED FORM OF OXYGEN-FREE COPPER PRODUCT	109

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### 7.3 STRIPS 109

#### 7.3.1 INCREASING DEMAND FROM ELECTRONICS & ELECTRICAL INDUSTRY TO DRIVE MARKET 109

### 7.4 BUSBARS & RODS 110

#### 7.4.1 USE IN ELECTRICAL TRANSMISSION LINES, TRANSFORMERS, AND INTERCONNECTING GENERATORS TO DRIVE MARKET 110

### 7.5 OTHER PRODUCT FORMS 110

## 8 OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY 111

### 8.1 INTRODUCTION 112

FIGURE 36 ELECTRONICS & ELECTRICAL TO BE DOMINANT END USER OF OXYGEN-FREE COPPER DURING FORECAST PERIOD 112

TABLE 32 OXYGEN-FREE COPPER MARKET SIZE, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 112

TABLE 33 OXYGEN-FREE COPPER MARKET SIZE, BY END-USE INDUSTRY, 2019-2021 (KILOTON) 113

TABLE 34 OXYGEN-FREE COPPER MARKET SIZE, BY END-USE INDUSTRY, 2022-2029 (USD MILLION) 113

TABLE 35 OXYGEN-FREE COPPER MARKET SIZE, BY END-USE INDUSTRY, 2022-2029 (KILOTON) 113

### 8.2 ELECTRONICS & ELECTRICAL 113

#### 8.2.1 ELECTRONICS & ELECTRICAL SECTOR TO REMAIN LARGEST END USER OF OXYGEN-FREE COPPER 113

TABLE 36 ELECTRONICS & ELECTRICAL: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (USD MILLION) 114

TABLE 37 ELECTRONICS & ELECTRICAL: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (KILOTON) 115

TABLE 38 ELECTRONICS & ELECTRICAL: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (USD MILLION) 115

TABLE 39 ELECTRONICS & ELECTRICAL: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (KILOTON) 115

### 8.3 AUTOMOTIVE 116

#### 8.3.1 OXYGEN-FREE COPPER WIDELY USED IN MANUFACTURING SPARE PARTS AND COMPONENTS 116

TABLE 40 AUTOMOTIVE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (USD MILLION) 116

TABLE 41 AUTOMOTIVE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (KILOTON) 117

TABLE 42 AUTOMOTIVE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (USD MILLION) 117

TABLE 43 AUTOMOTIVE: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (KILOTON) 117

### 8.4 OTHER END-USE INDUSTRIES 118

TABLE 44 OTHER END-USE INDUSTRIES: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (USD MILLION) 118

TABLE 45 OTHER END-USE INDUSTRIES: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2019-2021 (KILOTON) 118

TABLE 46 OTHER END-USE INDUSTRIES: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (USD MILLION) 119

TABLE 47 OTHER END-USE INDUSTRIES: OXYGEN-FREE COPPER MARKET SIZE, BY REGION, 2022-2029 (KILOTON) 119

## 9 OXYGEN-FREE COPPER MARKET, BY REGION 120

### 9.1 INTRODUCTION 121

FIGURE 37 CHINA TO BE FASTEST-GROWING MARKET DURING FORECAST PERIOD 121

TABLE 48 OXYGEN-FREE COPPER MARKET, BY REGION, 2019-2021 (USD MILLION) 122

TABLE 49 OXYGEN-FREE COPPER MARKET, BY REGION, 2019-2021 (KILOTON) 122

TABLE 50 OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (USD MILLION) 122

TABLE 51 OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (KILOTON) 123

TABLE 52 OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (USD MILLION) 123

TABLE 53 OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (KILOTON) 123

TABLE 54 OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (USD MILLION) 124

TABLE 55 OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (KILOTON) 124

TABLE 56 OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION) 124

TABLE 57 OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON) 124

TABLE 58 OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION) 125

TABLE 59 OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON) 125

TABLE 60 OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 125

TABLE 61 OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON) 125

TABLE 62 OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION) 126

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TABLE 63 OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON) 126

9.2 ASIA PACIFIC 126

9.2.1 RECESSION IMPACT 126

FIGURE 38 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET SNAPSHOT 127

TABLE 64 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY COUNTRY, 2019-2021 (USD MILLION) 128

TABLE 65 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY COUNTRY, 2019-2021 (KILOTON) 128

TABLE 66 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (USD MILLION) 128

TABLE 67 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (KILOTON) 129

TABLE 68 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (USD MILLION) 129

TABLE 69 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (KILOTON) 129

TABLE 70 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (USD MILLION) 130

TABLE 71 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (KILOTON) 130

TABLE 72 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION) 130

TABLE 73 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON) 130

TABLE 74 ASIA PACIFIC: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION) 131

TABLE 75 ASIA PACIFIC: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON) 131

TABLE 76 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 131

TABLE 77 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON) 131

TABLE 78 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION) 132

TABLE 79 ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON) 132

9.2.2 CHINA 132

9.2.2.1 Development of advanced microchips and electronic components to drive market 132

TABLE 80 CHINA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION) 133

TABLE 81 CHINA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON) 133

TABLE 82 CHINA: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION) 133

TABLE 83 CHINA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON) 133

TABLE 84 CHINA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 134

TABLE 85 CHINA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON) 134

TABLE 86 CHINA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION) 134

TABLE 87 CHINA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON) 134

9.2.3 JAPAN 135

9.2.3.1 Growth of automotive industry to boost market 135

TABLE 88 JAPAN: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION) 135

TABLE 89 JAPAN: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON) 135

TABLE 90 JAPAN: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION) 135

TABLE 91 JAPAN: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON) 136

TABLE 92 JAPAN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 136

TABLE 93 JAPAN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON) 136

TABLE 94 JAPAN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION) 136

TABLE 95 JAPAN: OXYGEN FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON) 137

9.2.4 INDIA 137

9.2.4.1 Expansion of electric vehicles sector to fuel demand 137

TABLE 96 INDIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION) 138

TABLE 97 INDIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON) 138

TABLE 98 INDIA: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION) 138

TABLE 99 INDIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON) 138

TABLE 100 INDIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION) 139

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TABLE 101	INDIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	139
TABLE 102	INDIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	139
TABLE 103	INDIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	139
9.2.5	THAILAND	140
9.2.5.1	Strong base of EV manufacturers to support market growth	140
TABLE 104	THAILAND: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	140
TABLE 105	THAILAND: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	140
TABLE 106	THAILAND: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	140
TABLE 107	THAILAND: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	141
TABLE 108	THAILAND: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	141
TABLE 109	THAILAND: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	141
TABLE 110	THAILAND: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	141
TABLE 111	THAILAND: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	142
9.2.6	REST OF ASIA PACIFIC	142
TABLE 112	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	142
TABLE 113	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	142
TABLE 114	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	143
TABLE 115	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	143
TABLE 116	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	143
TABLE 117	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	143
TABLE 118	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	144
TABLE 119	REST OF ASIA PACIFIC: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	144
9.3	NORTH AMERICA	144
9.3.1	RECESSION IMPACT	145
TABLE 120	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY COUNTRY, 2019-2021 (USD MILLION)	145
TABLE 121	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY COUNTRY, 2019-2021 (KILOTON)	145
TABLE 122	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (USD MILLION)	145
TABLE 123	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (KILOTON)	146
TABLE 124	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (USD MILLION)	146
TABLE 125	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (KILOTON)	146
TABLE 126	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (USD MILLION)	146
TABLE 127	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (KILOTON)	147
TABLE 128	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	147
TABLE 129	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	147
TABLE 130	NORTH AMERICA: OXYGEN FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	147
TABLE 131	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	148
TABLE 132	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	148
TABLE 133	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	148
TABLE 134	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	148
TABLE 135	NORTH AMERICA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	149
9.3.2	US	149
9.3.2.1	Increased demand from electronics & electrical industry to drive market	149
TABLE 136	US: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	149
TABLE 137	US: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	150
TABLE 138	US: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	150
TABLE 139	US: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	150
TABLE 140	US: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	150

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TABLE 141	US: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	151
TABLE 142	US: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	151
TABLE 143	US: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	151
9.3.3 CANADA 151		
9.3.3.1 Growth of semiconductor industry to fuel demand 151		
TABLE 144	CANADA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	152
TABLE 145	CANADA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	152
TABLE 146	CANADA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	152
TABLE 147	CANADA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	152
TABLE 148	CANADA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	153
TABLE 149	CANADA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	153
TABLE 150	CANADA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	153
TABLE 151	CANADA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	154
9.3.4 MEXICO 154		
9.3.4.1 Regulatory reforms and liberalization in investment policies to drive market 154		
TABLE 152	MEXICO: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	154
TABLE 153	MEXICO: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	154
TABLE 154	MEXICO: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	155
TABLE 155	MEXICO: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	155
TABLE 156	MEXICO: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	155
TABLE 157	MEXICO: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	155
TABLE 158	MEXICO: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	156
TABLE 159	MEXICO: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	156
9.4 EUROPE 156		
9.4.1 RECESSION IMPACT 157		
TABLE 160	EUROPE: OXYGEN-FREE COPPER MARKET, BY COUNTRY, 2019-2021 (USD MILLION)	157
TABLE 161	EUROPE: OXYGEN-FREE COPPER MARKET, BY COUNTRY, 2019-2021 (KILOTON)	158
TABLE 162	EUROPE: OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (USD MILLION)	158
TABLE 163	EUROPE: OXYGEN-FREE COPPER MARKET, BY REGION, 2022-2029 (KILOTON)	159
TABLE 164	EUROPE: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (USD MILLION)	159
TABLE 165	EUROPE: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2019-2021 (KILOTON)	159
TABLE 166	EUROPE: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (USD MILLION)	160
TABLE 167	EUROPE: OXYGEN-FREE COPPER MARKET, BY PRODUCT FORM, 2022-2029 (KILOTON)	160
TABLE 168	EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	160
TABLE 169	EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	160
TABLE 170	EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	161
TABLE 171	EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	161
TABLE 172	EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	161
TABLE 173	EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	161
TABLE 174	EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	162
TABLE 175	EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	162
9.4.2 GERMANY 162		
9.4.2.1 Investments in next-generation microelectronics research and innovation to drive market 162		
TABLE 176	GERMANY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	163
TABLE 177	GERMANY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	163
TABLE 178	GERMANY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	163
TABLE 179	GERMANY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	163

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TABLE 180□GERMANY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)□163

TABLE 181□GERMANY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)□164

TABLE 182□GERMANY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)□164

TABLE 183□GERMANY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)□164

#### 9.4.3□UK□164

9.4.3.1□Growth of automotive industry to boost demand for oxygen-free copper□164

TABLE 184□UK: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)□165

TABLE 185□UK: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)□165

TABLE 186□UK: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)□165

TABLE 187□UK: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)□165

TABLE 188□UK: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)□166

TABLE 189□UK: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)□166

TABLE 190□UK: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)□166

TABLE 191□UK: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)□166

#### 9.4.4□FRANCE□167

9.4.4.1□Rising demand for EVs to drive market growth□167

TABLE 192□FRANCE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)□167

TABLE 193□FRANCE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)□167

TABLE 194□FRANCE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)□167

TABLE 195□FRANCE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)□168

TABLE 196□FRANCE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)□168

TABLE 197□FRANCE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)□168

TABLE 198□FRANCE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)□168

TABLE 199□FRANCE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)□169

#### 9.4.5□RUSSIA□169

9.4.5.1□Increased sales of electric cars to drive demand for oxygen-free copper□169

TABLE 200□RUSSIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)□169

TABLE 201□RUSSIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)□169

TABLE 202□RUSSIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)□169

TABLE 203□RUSSIA: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)□170

TABLE 204□RUSSIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)□170

TABLE 205□RUSSIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)□170

TABLE 206□RUSSIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)□170

TABLE 207□RUSSIA: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)□171

#### 9.4.6□ITALY□171

9.4.6.1□Surge in automobile production to drive market□171

TABLE 208□ITALY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)□171

TABLE 209□ITALY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)□171

TABLE 210□ITALY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)□172

TABLE 211□ITALY: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)□172

TABLE 212□ITALY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)□172

TABLE 213□ITALY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)□172

TABLE 214□ITALY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)□173

TABLE 215□ITALY: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)□173

#### 9.4.7□SPAIN□173

9.4.7.1□Government investments in automotive industry to drive demand□173

TABLE 216□SPAIN: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)□173

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TABLE 217	SPAIN: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	174
TABLE 218	SPAIN: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	174
TABLE 219	SPAIN: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	174
TABLE 220	SPAIN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	174
TABLE 221	SPAIN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	175
TABLE 222	SPAIN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	175
TABLE 223	SPAIN: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	175
9.4.8	REST OF EUROPE	175
TABLE 224	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (USD MILLION)	176
TABLE 225	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2019-2021 (KILOTON)	176
TABLE 226	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (USD MILLION)	176
TABLE 227	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY GRADE, 2022-2029 (KILOTON)	176
TABLE 228	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (USD MILLION)	177
TABLE 229	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2019-2021 (KILOTON)	177
TABLE 230	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (USD MILLION)	177
TABLE 231	REST OF EUROPE: OXYGEN-FREE COPPER MARKET, BY END-USE INDUSTRY, 2022-2029 (KILOTON)	177

**Oxygen-Free Copper Market by Grade (Cu-OF, Cu-OFE), Product Form (Wires, Strips, Busbar & Rods), End-use Industry (Electronics & Electrical, Automotive), and Region( North America, Europe, APAC, MEA, South America) - Global Forecast to 2029**

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