

Global Bio-based Metalworking Fluids Market Research Report 2026(Status and Outlook)

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Abstracts

Bio-based metalworking fluid is an environmentally friendly metalworking fluid that is mainly made from plant-based materials without using petroleum and other non-renewable resources. This type of processing fluid is environmentally friendly, renewable, and low in toxicity, meeting the requirements of modern manufacturing for environmental protection and sustainable development.

The global Bio-based Metalworking Fluids market size was estimated at USD 3480.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 4.50% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Bio-based Metalworking Fluids market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Bio-based Metalworking Fluids market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Bio-based Metalworking Fluids market.

Global Bio-based Metalworking Fluids Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

VOLTRION

Renewable Lubricants

Cortec

Entor

BASF

Presserv

Zerust

Lubeco

WEICON

Zeller + Gmelin

Matrix Specialty Lubricants

Texas Technologies

Castrol

ELEMENT BIO

Zavenir Daubert

Unil Lubricants

Q8Oils

FUCHS

Market Segmentation (by Type)

Metal Removal Fluids
Metal Forming Fluids
Metal Protecting Fluids
Metal Treating Fluids
Others

Market Segmentation (by Application)

Automotive
General Industry
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Bio-based Metalworking Fluids Market
Overview of the regional outlook of the Bio-based Metalworking Fluids Market:

Customization of the Report

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team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Bio-based Metalworking Fluids Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Bio-based Metalworking Fluids, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to

come
6-month post-sales analyst support

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Bio-based Metalworking Fluids
- 1.2 Key Market Segments
 - 1.2.1 Bio-based Metalworking Fluids Segment by Type
 - 1.2.2 Bio-based Metalworking Fluids Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 BIO-BASED METALWORKING FLUIDS MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Bio-based Metalworking Fluids Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Bio-based Metalworking Fluids Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 BIO-BASED METALWORKING FLUIDS MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Bio-based Metalworking Fluids Product Life Cycle
- 3.3 Global Bio-based Metalworking Fluids Sales by Manufacturers (2020-2025)
- 3.4 Global Bio-based Metalworking Fluids Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Bio-based Metalworking Fluids Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Bio-based Metalworking Fluids Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Bio-based Metalworking Fluids Market Competitive Situation and Trends
 - 3.8.1 Bio-based Metalworking Fluids Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Bio-based Metalworking Fluids Players Market Share by

Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 BIO-BASED METALWORKING FLUIDS INDUSTRY CHAIN ANALYSIS

4.1 Bio-based Metalworking Fluids Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF BIO-BASED METALWORKING FLUIDS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Bio-based Metalworking Fluids Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Bio-based Metalworking Fluids Market

5.7 ESG Ratings of Leading Companies

6 BIO-BASED METALWORKING FLUIDS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Bio-based Metalworking Fluids Sales Market Share by Type (2020-2025)

6.3 Global Bio-based Metalworking Fluids Market Size by Type (2020-2025)

6.4 Global Bio-based Metalworking Fluids Price by Type (2020-2025)

7 BIO-BASED METALWORKING FLUIDS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Bio-based Metalworking Fluids Market Sales by Application (2020-2025)
- 7.3 Global Bio-based Metalworking Fluids Market Size (M USD) by Application (2020-2025)
- 7.4 Global Bio-based Metalworking Fluids Sales Growth Rate by Application (2020-2025)

8 BIO-BASED METALWORKING FLUIDS MARKET SALES BY REGION

- 8.1 Global Bio-based Metalworking Fluids Sales by Region
 - 8.1.1 Global Bio-based Metalworking Fluids Sales by Region
 - 8.1.2 Global Bio-based Metalworking Fluids Sales Market Share by Region
- 8.2 Global Bio-based Metalworking Fluids Market Size by Region
 - 8.2.1 Global Bio-based Metalworking Fluids Market Size by Region
 - 8.2.2 Global Bio-based Metalworking Fluids Market Size by Region
- 8.3 North America
 - 8.3.1 North America Bio-based Metalworking Fluids Sales by Country
 - 8.3.2 North America Bio-based Metalworking Fluids Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Bio-based Metalworking Fluids Sales by Country
 - 8.4.2 Europe Bio-based Metalworking Fluids Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Bio-based Metalworking Fluids Sales by Region
 - 8.5.2 Asia Pacific Bio-based Metalworking Fluids Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview

- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Bio-based Metalworking Fluids Sales by Country
 - 8.6.2 South America Bio-based Metalworking Fluids Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa Bio-based Metalworking Fluids Sales by Region
 - 8.7.2 Middle East and Africa Bio-based Metalworking Fluids Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 BIO-BASED METALWORKING FLUIDS MARKET PRODUCTION BY REGION

- 9.1 Global Production of Bio-based Metalworking Fluids by Region(2020-2025)
- 9.2 Global Bio-based Metalworking Fluids Revenue Market Share by Region (2020-2025)
- 9.3 Global Bio-based Metalworking Fluids Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Bio-based Metalworking Fluids Production
 - 9.4.1 North America Bio-based Metalworking Fluids Production Growth Rate (2020-2025)
 - 9.4.2 North America Bio-based Metalworking Fluids Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Bio-based Metalworking Fluids Production
 - 9.5.1 Europe Bio-based Metalworking Fluids Production Growth Rate (2020-2025)
 - 9.5.2 Europe Bio-based Metalworking Fluids Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Bio-based Metalworking Fluids Production (2020-2025)
 - 9.6.1 Japan Bio-based Metalworking Fluids Production Growth Rate (2020-2025)
 - 9.6.2 Japan Bio-based Metalworking Fluids Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Bio-based Metalworking Fluids Production (2020-2025)
 - 9.7.1 China Bio-based Metalworking Fluids Production Growth Rate (2020-2025)

9.7.2 China Bio-based Metalworking Fluids Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 VOLTRION

10.1.1 VOLTRION Basic Information

10.1.2 VOLTRION Bio-based Metalworking Fluids Product Overview

10.1.3 VOLTRION Bio-based Metalworking Fluids Product Market Performance

10.1.4 VOLTRION Business Overview

10.1.5 VOLTRION SWOT Analysis

10.1.6 VOLTRION Recent Developments

10.2 Renewable Lubricants

10.2.1 Renewable Lubricants Basic Information

10.2.2 Renewable Lubricants Bio-based Metalworking Fluids Product Overview

10.2.3 Renewable Lubricants Bio-based Metalworking Fluids Product Market Performance

10.2.4 Renewable Lubricants Business Overview

10.2.5 Renewable Lubricants SWOT Analysis

10.2.6 Renewable Lubricants Recent Developments

10.3 Cortec

10.3.1 Cortec Basic Information

10.3.2 Cortec Bio-based Metalworking Fluids Product Overview

10.3.3 Cortec Bio-based Metalworking Fluids Product Market Performance

10.3.4 Cortec Business Overview

10.3.5 Cortec SWOT Analysis

10.3.6 Cortec Recent Developments

10.4 Entor

10.4.1 Entor Basic Information

10.4.2 Entor Bio-based Metalworking Fluids Product Overview

10.4.3 Entor Bio-based Metalworking Fluids Product Market Performance

10.4.4 Entor Business Overview

10.4.5 Entor Recent Developments

10.5 BASF

10.5.1 BASF Basic Information

10.5.2 BASF Bio-based Metalworking Fluids Product Overview

10.5.3 BASF Bio-based Metalworking Fluids Product Market Performance

10.5.4 BASF Business Overview

10.5.5 BASF Recent Developments

10.6 Presserv

- 10.6.1 Presserv Basic Information
- 10.6.2 Presserv Bio-based Metalworking Fluids Product Overview
- 10.6.3 Presserv Bio-based Metalworking Fluids Product Market Performance
- 10.6.4 Presserv Business Overview
- 10.6.5 Presserv Recent Developments

10.7 Zerust

- 10.7.1 Zerust Basic Information
- 10.7.2 Zerust Bio-based Metalworking Fluids Product Overview
- 10.7.3 Zerust Bio-based Metalworking Fluids Product Market Performance
- 10.7.4 Zerust Business Overview
- 10.7.5 Zerust Recent Developments

10.8 Lubeco

- 10.8.1 Lubeco Basic Information
- 10.8.2 Lubeco Bio-based Metalworking Fluids Product Overview
- 10.8.3 Lubeco Bio-based Metalworking Fluids Product Market Performance
- 10.8.4 Lubeco Business Overview
- 10.8.5 Lubeco Recent Developments

10.9 WEICON

- 10.9.1 WEICON Basic Information
- 10.9.2 WEICON Bio-based Metalworking Fluids Product Overview
- 10.9.3 WEICON Bio-based Metalworking Fluids Product Market Performance
- 10.9.4 WEICON Business Overview
- 10.9.5 WEICON Recent Developments

10.10 Zeller + Gmelin

- 10.10.1 Zeller + Gmelin Basic Information
- 10.10.2 Zeller + Gmelin Bio-based Metalworking Fluids Product Overview
- 10.10.3 Zeller + Gmelin Bio-based Metalworking Fluids Product Market Performance
- 10.10.4 Zeller + Gmelin Business Overview
- 10.10.5 Zeller + Gmelin Recent Developments

10.11 Matrix Specialty Lubricants

- 10.11.1 Matrix Specialty Lubricants Basic Information
- 10.11.2 Matrix Specialty Lubricants Bio-based Metalworking Fluids Product Overview
- 10.11.3 Matrix Specialty Lubricants Bio-based Metalworking Fluids Product Market Performance
- 10.11.4 Matrix Specialty Lubricants Business Overview
- 10.11.5 Matrix Specialty Lubricants Recent Developments

10.12 Texas Technologies

- 10.12.1 Texas Technologies Basic Information

- 10.12.2 Texas Technologies Bio-based Metalworking Fluids Product Overview
- 10.12.3 Texas Technologies Bio-based Metalworking Fluids Product Market Performance
- 10.12.4 Texas Technologies Business Overview
- 10.12.5 Texas Technologies Recent Developments
- 10.13 Castrol
 - 10.13.1 Castrol Basic Information
 - 10.13.2 Castrol Bio-based Metalworking Fluids Product Overview
 - 10.13.3 Castrol Bio-based Metalworking Fluids Product Market Performance
 - 10.13.4 Castrol Business Overview
 - 10.13.5 Castrol Recent Developments
- 10.14 ELEMENT BIO
 - 10.14.1 ELEMENT BIO Basic Information
 - 10.14.2 ELEMENT BIO Bio-based Metalworking Fluids Product Overview
 - 10.14.3 ELEMENT BIO Bio-based Metalworking Fluids Product Market Performance
 - 10.14.4 ELEMENT BIO Business Overview
 - 10.14.5 ELEMENT BIO Recent Developments
- 10.15 Zavenir Daubert
 - 10.15.1 Zavenir Daubert Basic Information
 - 10.15.2 Zavenir Daubert Bio-based Metalworking Fluids Product Overview
 - 10.15.3 Zavenir Daubert Bio-based Metalworking Fluids Product Market Performance
 - 10.15.4 Zavenir Daubert Business Overview
 - 10.15.5 Zavenir Daubert Recent Developments
- 10.16 Unil Lubricants
 - 10.16.1 Unil Lubricants Basic Information
 - 10.16.2 Unil Lubricants Bio-based Metalworking Fluids Product Overview
 - 10.16.3 Unil Lubricants Bio-based Metalworking Fluids Product Market Performance
 - 10.16.4 Unil Lubricants Business Overview
 - 10.16.5 Unil Lubricants Recent Developments
- 10.17 Q8Oils
 - 10.17.1 Q8Oils Basic Information
 - 10.17.2 Q8Oils Bio-based Metalworking Fluids Product Overview
 - 10.17.3 Q8Oils Bio-based Metalworking Fluids Product Market Performance
 - 10.17.4 Q8Oils Business Overview
 - 10.17.5 Q8Oils Recent Developments
- 10.18 FUCHS
 - 10.18.1 FUCHS Basic Information
 - 10.18.2 FUCHS Bio-based Metalworking Fluids Product Overview
 - 10.18.3 FUCHS Bio-based Metalworking Fluids Product Market Performance

10.18.4 FUCHS Business Overview

10.18.5 FUCHS Recent Developments

11 BIO-BASED METALWORKING FLUIDS MARKET FORECAST BY REGION

11.1 Global Bio-based Metalworking Fluids Market Size Forecast

11.2 Global Bio-based Metalworking Fluids Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Bio-based Metalworking Fluids Market Size Forecast by Country

11.2.3 Asia Pacific Bio-based Metalworking Fluids Market Size Forecast by Region

11.2.4 South America Bio-based Metalworking Fluids Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Bio-based Metalworking Fluids by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Bio-based Metalworking Fluids Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Bio-based Metalworking Fluids by Type (2026-2035)

12.1.2 Global Bio-based Metalworking Fluids Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Bio-based Metalworking Fluids by Type (2026-2035)

12.2 Global Bio-based Metalworking Fluids Market Forecast by Application (2026-2035)

12.2.1 Global Bio-based Metalworking Fluids Sales (K MT) Forecast by Application

12.2.2 Global Bio-based Metalworking Fluids Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Bio-based Metalworking Fluids Market Size by Type (M USD)

Table 4. Global Bio-based Metalworking Fluids Market Size by Application

Table 5. Bio-based Metalworking Fluids Market Size Comparison by Region (M USD)

Table 6. Global Bio-based Metalworking Fluids Sales (K MT) by Manufacturers (2020-2025)

Table 7. Global Bio-based Metalworking Fluids Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Bio-based Metalworking Fluids Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Bio-based Metalworking Fluids Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Bio-based Metalworking Fluids as of 2025)

Table 11. Global Market Bio-based Metalworking Fluids Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Bio-based Metalworking Fluids Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Bio-based Metalworking Fluids Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Bio-based Metalworking Fluids Sales by Type (K MT)

Table 27. Global Bio-based Metalworking Fluids Market Size by Type (M USD)

Table 28. Global Bio-based Metalworking Fluids Sales (K MT) by Type (2020-2025)

Table 29. Global Bio-based Metalworking Fluids Sales Market Share by Type (2020-2025)

Table 30. Global Bio-based Metalworking Fluids Market Size (M USD) by Type (2020-2025)

Table 31. Global Bio-based Metalworking Fluids Market Share by Type (2020-2025)

Table 32. Global Bio-based Metalworking Fluids Price (USD/KG) by Type (2020-2025)

Table 33. Global Bio-based Metalworking Fluids Sales (K MT) by Application

Table 34. Global Bio-based Metalworking Fluids Market Size by Application

Table 35. Global Bio-based Metalworking Fluids Sales by Application (2020-2025) & (K MT)

Table 36. Global Bio-based Metalworking Fluids Sales Market Share by Application (2020-2025)

Table 37. Global Bio-based Metalworking Fluids Market Size by Application (2020-2025) & (M USD)

Table 38. Global Bio-based Metalworking Fluids Market Share by Application (2020-2025)

Table 39. Global Bio-based Metalworking Fluids Sales Growth Rate by Application (2020-2025)

Table 40. Global Bio-based Metalworking Fluids Sales by Region (2020-2025) & (K MT)

Table 41. Global Bio-based Metalworking Fluids Sales Market Share by Region (2020-2025)

Table 42. Global Bio-based Metalworking Fluids Market Size by Region (2020-2025) & (M USD)

Table 43. Global Bio-based Metalworking Fluids Market Size by Region (2020-2025)

Table 44. North America Bio-based Metalworking Fluids Sales by Country (2020-2025) & (K MT)

Table 45. North America Bio-based Metalworking Fluids Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Bio-based Metalworking Fluids Sales by Country (2020-2025) & (K MT)

Table 47. Europe Bio-based Metalworking Fluids Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Bio-based Metalworking Fluids Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific Bio-based Metalworking Fluids Market Size by Region (2020-2025) & (M USD)

Table 50. South America Bio-based Metalworking Fluids Sales by Country (2020-2025) & (K MT)

Table 51. South America Bio-based Metalworking Fluids Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Bio-based Metalworking Fluids Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa Bio-based Metalworking Fluids Market Size by Region (2020-2025) & (M USD)

Table 54. Global Bio-based Metalworking Fluids Production (K MT) by Region(2020-2025)

Table 55. Global Bio-based Metalworking Fluids Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Bio-based Metalworking Fluids Revenue Market Share by Region (2020-2025)

Table 57. Global Bio-based Metalworking Fluids Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America Bio-based Metalworking Fluids Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe Bio-based Metalworking Fluids Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan Bio-based Metalworking Fluids Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China Bio-based Metalworking Fluids Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. VOLTRION Basic Information

Table 63. VOLTRION Bio-based Metalworking Fluids Product Overview

Table 64. VOLTRION Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. VOLTRION Business Overview

Table 66. VOLTRION SWOT Analysis

Table 67. VOLTRION Recent Developments

Table 68. Renewable Lubricants Basic Information

Table 69. Renewable Lubricants Bio-based Metalworking Fluids Product Overview

Table 70. Renewable Lubricants Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Renewable Lubricants Business Overview

Table 72. Renewable Lubricants SWOT Analysis

Table 73. Renewable Lubricants Recent Developments

Table 74. Cortec Basic Information

Table 75. Cortec Bio-based Metalworking Fluids Product Overview

Table 76. Cortec Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price

(USD/KG) and Gross Margin (2020-2025)

Table 77. Cortec Business Overview

Table 78. Cortec SWOT Analysis

Table 79. Cortec Recent Developments

Table 80. Entor Basic Information

Table 81. Entor Bio-based Metalworking Fluids Product Overview

Table 82. Entor Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 83. Entor Business Overview

Table 84. Entor Recent Developments

Table 85. BASF Basic Information

Table 86. BASF Bio-based Metalworking Fluids Product Overview

Table 87. BASF Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 88. BASF Business Overview

Table 89. BASF Recent Developments

Table 90. Presserv Basic Information

Table 91. Presserv Bio-based Metalworking Fluids Product Overview

Table 92. Presserv Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 93. Presserv Business Overview

Table 94. Presserv Recent Developments

Table 95. Zerust Basic Information

Table 96. Zerust Bio-based Metalworking Fluids Product Overview

Table 97. Zerust Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 98. Zerust Business Overview

Table 99. Zerust Recent Developments

Table 100. Lubeco Basic Information

Table 101. Lubeco Bio-based Metalworking Fluids Product Overview

Table 102. Lubeco Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 103. Lubeco Business Overview

Table 104. Lubeco Recent Developments

Table 105. WEICON Basic Information

Table 106. WEICON Bio-based Metalworking Fluids Product Overview

Table 107. WEICON Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 108. WEICON Business Overview

- Table 109. WEICON Recent Developments
- Table 110. Zeller + Gmelin Basic Information
- Table 111. Zeller + Gmelin Bio-based Metalworking Fluids Product Overview
- Table 112. Zeller + Gmelin Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 113. Zeller + Gmelin Business Overview
- Table 114. Zeller + Gmelin Recent Developments
- Table 115. Matrix Specialty Lubricants Basic Information
- Table 116. Matrix Specialty Lubricants Bio-based Metalworking Fluids Product Overview
- Table 117. Matrix Specialty Lubricants Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 118. Matrix Specialty Lubricants Business Overview
- Table 119. Matrix Specialty Lubricants Recent Developments
- Table 120. Texas Technologies Basic Information
- Table 121. Texas Technologies Bio-based Metalworking Fluids Product Overview
- Table 122. Texas Technologies Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 123. Texas Technologies Business Overview
- Table 124. Texas Technologies Recent Developments
- Table 125. Castrol Basic Information
- Table 126. Castrol Bio-based Metalworking Fluids Product Overview
- Table 127. Castrol Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 128. Castrol Business Overview
- Table 129. Castrol Recent Developments
- Table 130. ELEMENT BIO Basic Information
- Table 131. ELEMENT BIO Bio-based Metalworking Fluids Product Overview
- Table 132. ELEMENT BIO Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 133. ELEMENT BIO Business Overview
- Table 134. ELEMENT BIO Recent Developments
- Table 135. Zavenir Daubert Basic Information
- Table 136. Zavenir Daubert Bio-based Metalworking Fluids Product Overview
- Table 137. Zavenir Daubert Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 138. Zavenir Daubert Business Overview
- Table 139. Zavenir Daubert Recent Developments
- Table 140. Unil Lubricants Basic Information

- Table 141. Unil Lubricants Bio-based Metalworking Fluids Product Overview
- Table 142. Unil Lubricants Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 143. Unil Lubricants Business Overview
- Table 144. Unil Lubricants Recent Developments
- Table 145. Q8Oils Basic Information
- Table 146. Q8Oils Bio-based Metalworking Fluids Product Overview
- Table 147. Q8Oils Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 148. Q8Oils Business Overview
- Table 149. Q8Oils Recent Developments
- Table 150. FUCHS Basic Information
- Table 151. FUCHS Bio-based Metalworking Fluids Product Overview
- Table 152. FUCHS Bio-based Metalworking Fluids Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 153. FUCHS Business Overview
- Table 154. FUCHS Recent Developments
- Table 155. Global Bio-based Metalworking Fluids Sales Forecast by Region (2026-2035) & (K MT)
- Table 156. Global Bio-based Metalworking Fluids Market Size Forecast by Region (2026-2035) & (M USD)
- Table 157. North America Bio-based Metalworking Fluids Sales Forecast by Country (2026-2035) & (K MT)
- Table 158. North America Bio-based Metalworking Fluids Market Size Forecast by Country (2026-2035) & (M USD)
- Table 159. Europe Bio-based Metalworking Fluids Sales Forecast by Country (2026-2035) & (K MT)
- Table 160. Europe Bio-based Metalworking Fluids Market Size Forecast by Country (2026-2035) & (M USD)
- Table 161. Asia Pacific Bio-based Metalworking Fluids Sales Forecast by Region (2026-2035) & (K MT)
- Table 162. Asia Pacific Bio-based Metalworking Fluids Market Size Forecast by Region (2026-2035) & (M USD)
- Table 163. South America Bio-based Metalworking Fluids Sales Forecast by Country (2026-2035) & (K MT)
- Table 164. South America Bio-based Metalworking Fluids Market Size Forecast by Country (2026-2035) & (M USD)
- Table 165. Middle East and Africa Bio-based Metalworking Fluids Sales Forecast by Country (2026-2035) & (Units)

Table 166. Middle East and Africa Bio-based Metalworking Fluids Market Size Forecast by Country (2026-2035) & (M USD)

Table 167. Global Bio-based Metalworking Fluids Sales Forecast by Type (2026-2035) & (K MT)

Table 168. Global Bio-based Metalworking Fluids Market Size Forecast by Type (2026-2035) & (M USD)

Table 169. Global Bio-based Metalworking Fluids Price Forecast by Type (2026-2035) & (USD/KG)

Table 170. Global Bio-based Metalworking Fluids Sales (K MT) Forecast by Application (2026-2035)

Table 171. Global Bio-based Metalworking Fluids Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Bio-based Metalworking Fluids
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Bio-based Metalworking Fluids Market Size (M USD), 2025-2035
- Figure 5. Global Bio-based Metalworking Fluids Market Size (M USD) (2020-2035)
- Figure 6. Global Bio-based Metalworking Fluids Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Bio-based Metalworking Fluids Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Bio-based Metalworking Fluids Product Life Cycle
- Figure 13. Bio-based Metalworking Fluids Sales Share by Manufacturers in 2025
- Figure 14. Global Bio-based Metalworking Fluids Revenue Share by Manufacturers in 2025
- Figure 15. Bio-based Metalworking Fluids Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Bio-based Metalworking Fluids Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Bio-based Metalworking Fluids Revenue in 2025
- Figure 18. Industry Chain Map of Bio-based Metalworking Fluids
- Figure 19. Global Bio-based Metalworking Fluids Market PEST Analysis
- Figure 20. Global Bio-based Metalworking Fluids Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Bio-based Metalworking Fluids Market Share by Type
- Figure 27. Sales Market Share of Bio-based Metalworking Fluids by Type (2020-2025)
- Figure 28. Sales Market Share of Bio-based Metalworking Fluids by Type in 2025
- Figure 29. Market Share of Bio-based Metalworking Fluids by Type (2020-2025)
- Figure 30. Market Share of Bio-based Metalworking Fluids by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Bio-based Metalworking Fluids Market Share by Application

Figure 33. Global Bio-based Metalworking Fluids Sales Market Share by Application (2020-2025)

Figure 34. Global Bio-based Metalworking Fluids Sales Market Share by Application in 2025

Figure 35. Global Bio-based Metalworking Fluids Market Share by Application (2020-2025)

Figure 36. Global Bio-based Metalworking Fluids Market Share by Application in 2025

Figure 37. Global Bio-based Metalworking Fluids Sales Growth Rate by Application (2020-2025)

Figure 38. Global Bio-based Metalworking Fluids Sales Market Share by Region (2020-2025)

Figure 39. Global Bio-based Metalworking Fluids Market Size by Region (2020-2025)

Figure 40. North America Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Bio-based Metalworking Fluids Sales Market Share by Country in 2024

Figure 43. North America Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Bio-based Metalworking Fluids Market Size by Country in 2024

Figure 45. U.S. Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Bio-based Metalworking Fluids Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Bio-based Metalworking Fluids Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Bio-based Metalworking Fluids Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Bio-based Metalworking Fluids Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Bio-based Metalworking Fluids Sales Market Share by Country in 2024

Figure 53. Europe Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Bio-based Metalworking Fluids Market Size by Country in 2024

Figure 55. Germany Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Bio-based Metalworking Fluids Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Bio-based Metalworking Fluids Sales Market Share by Region in 2024

Figure 67. Asia Pacific Bio-based Metalworking Fluids Market Size by Region in 2024

Figure 68. China Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Bio-based Metalworking Fluids Sales and Growth Rate (K MT)

Figure 79. South America Bio-based Metalworking Fluids Sales Market Share by Country in 2024

Figure 80. South America Bio-based Metalworking Fluids Market Size and Growth Rate (M USD)

Figure 81. South America Bio-based Metalworking Fluids Market Size by Country in 2024

Figure 82. Brazil Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Bio-based Metalworking Fluids Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Bio-based Metalworking Fluids Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Bio-based Metalworking Fluids Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Bio-based Metalworking Fluids Market Size by Region in 2024

Figure 92. Saudi Arabia Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Bio-based Metalworking Fluids Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 94. UAE Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Bio-based Metalworking Fluids Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Bio-based Metalworking Fluids Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Bio-based Metalworking Fluids Production Market Share by Region (2020-2025)

Figure 103. North America Bio-based Metalworking Fluids Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Bio-based Metalworking Fluids Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Bio-based Metalworking Fluids Production (K MT) Growth Rate (2020-2025)

Figure 106. China Bio-based Metalworking Fluids Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Bio-based Metalworking Fluids Sales Forecast by Volume (2020-2035) & (K MT)

Figure 108. Global Bio-based Metalworking Fluids Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Bio-based Metalworking Fluids Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Bio-based Metalworking Fluids Market Share Forecast by Type (2026-2035)

Figure 111. Global Bio-based Metalworking Fluids Sales Forecast by Application (2026-2035)

Figure 112. Global Bio-based Metalworking Fluids Market Share Forecast by Application (2026-2035)

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