

Global Eco-friendly Low-carbon Cutting Fluids Market Growth 2025-2031

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Abstracts

The global Eco-friendly Low-carbon Cutting Fluids market size is predicted to grow from US\$ 2085 million in 2025 to US\$ 2857 million in 2031; it is expected to grow at a CAGR of 5.4% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

With the increasing awareness of global environmental protection and the continuous improvement of environmental protection laws and regulations by governments around the world, harmful substances contained in traditional cutting fluids, such as mineral oil, heavy metal additives and chemical solvents, are facing strict restrictions and elimination because they are difficult to biodegrade and pose a potential threat to the environment and workers' health. Especially in Europe, North America and other regions, the tightening of environmental regulations has directly prompted manufacturing companies to seek more environmentally friendly cutting fluid substitutes. The market demand for non-toxic, biodegradable, low-volatile and long-life environmentally friendly cutting fluids has risen sharply. Eco-friendly, low-carbon cutting fluids are becoming increasingly popular as a sustainable alternative to traditional cutting oils. These cutting fluids typically use vegetable oils, water, or a combination of both, and are formulated to reduce environmental impact and energy consumption while maintaining machining performance.

United States market for Eco-friendly Low-carbon Cutting Fluids is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Eco-friendly Low-carbon Cutting Fluids is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Eco-friendly Low-carbon Cutting Fluids is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Eco-friendly Low-carbon Cutting Fluids players cover ELDON'S, MotulTech, Morris Lubricants, BP(Castrol), Quaker Houghton, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Eco-friendly Low-carbon Cutting Fluids Industry Forecast" looks at past sales and reviews total world Eco-friendly Low-carbon Cutting Fluids sales in 2024, providing a comprehensive analysis by region and market sector of projected Eco-friendly Low-carbon Cutting Fluids sales for 2025 through 2031. With Eco-friendly Low-carbon Cutting Fluids sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Eco-friendly Low-carbon Cutting Fluids industry.

This Insight Report provides a comprehensive analysis of the global Eco-friendly Low-carbon Cutting Fluids landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Eco-friendly Low-carbon Cutting Fluids portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Eco-friendly Low-carbon Cutting Fluids market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Eco-friendly Low-carbon Cutting Fluids and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Eco-friendly Low-carbon Cutting Fluids.

This report presents a comprehensive overview, market shares, and growth opportunities of Eco-friendly Low-carbon Cutting Fluids market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Eco-friendly Microemulsion Cutting Fluid

Fully Synthetic Eco-friendly Cutting Fluid

Semi-synthetic Eco-friendly Cutting Fluid

Plant-based/Recycled Cutting Fluid

Segmentation by Application:

Metal Processing Industry

Electronic and Electrical Industry

Plastic Processing Industry

Military Industry

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

ELDON'S

MotulTech

Morris Lubricants

BP(Castrol)

Quaker Houghton

Cosmo Oil Lubricants Co.,Ltd.

Master

Matsumura Oil Research Corp.

Q8Oils

Millers Oils

CRC Industries

AMSOIL Industrial

Exol Lubricants

Fuchs Lubricants

Shell Global

Motorex-Bucher Group AG

MORESCO Corporation

Master Fluid Solutions

Tap Magic

Texas Technologies

HAI LU JYA HE CO., LTD

Henkel Adhesives

Sinopec Lubricants

LLTC

Ammed Technology Co.

Francool

Tj-talent.com

TIANJIN AULOOP LUBE OIL CO.,LTD.

Kasong Science And Technology Co., Ltd

Kaffee Technologies (Wuhan) Co., Ltd.

Frank-oil

Key Questions Addressed in this Report

What is the 10-year outlook for the global Eco-friendly Low-carbon Cutting Fluids market?

What factors are driving Eco-friendly Low-carbon Cutting Fluids market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Eco-friendly Low-carbon Cutting Fluids market opportunities vary by end market size?

How does Eco-friendly Low-carbon Cutting Fluids break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Eco-friendly Low-carbon Cutting Fluids Annual Sales 2020-2031
- 2.1.2 World Current & Future Analysis for Eco-friendly Low-carbon Cutting Fluids by Geographic Region, 2020, 2024 & 2031
- 2.1.3 World Current & Future Analysis for Eco-friendly Low-carbon Cutting Fluids by Country/Region, 2020, 2024 & 2031

2.2 Eco-friendly Low-carbon Cutting Fluids Segment by Type

- 2.2.1 Eco-friendly Microemulsion Cutting Fluid
- 2.2.2 Fully Synthetic Eco-friendly Cutting Fluid
- 2.2.3 Semi-synthetic Eco-friendly Cutting Fluid
- 2.2.4 Plant-based/Recycled Cutting Fluid

2.3 Eco-friendly Low-carbon Cutting Fluids Sales by Type

- 2.3.1 Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type (2020-2025)
- 2.3.2 Global Eco-friendly Low-carbon Cutting Fluids Revenue and Market Share by Type (2020-2025)
- 2.3.3 Global Eco-friendly Low-carbon Cutting Fluids Sale Price by Type (2020-2025)

2.4 Eco-friendly Low-carbon Cutting Fluids Segment by Application

- 2.4.1 Metal Processing Industry
- 2.4.2 Electronic and Electrical Industry
- 2.4.3 Plastic Processing Industry
- 2.4.4 Military Industry

2.5 Eco-friendly Low-carbon Cutting Fluids Sales by Application

- 2.5.1 Global Eco-friendly Low-carbon Cutting Fluids Sale Market Share by Application

(2020-2025)

2.5.2 Global Eco-friendly Low-carbon Cutting Fluids Revenue and Market Share by Application (2020-2025)

2.5.3 Global Eco-friendly Low-carbon Cutting Fluids Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Eco-friendly Low-carbon Cutting Fluids Breakdown Data by Company

3.1.1 Global Eco-friendly Low-carbon Cutting Fluids Annual Sales by Company (2020-2025)

3.1.2 Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Company (2020-2025)

3.2 Global Eco-friendly Low-carbon Cutting Fluids Annual Revenue by Company (2020-2025)

3.2.1 Global Eco-friendly Low-carbon Cutting Fluids Revenue by Company (2020-2025)

3.2.2 Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Company (2020-2025)

3.3 Global Eco-friendly Low-carbon Cutting Fluids Sale Price by Company

3.4 Key Manufacturers Eco-friendly Low-carbon Cutting Fluids Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Eco-friendly Low-carbon Cutting Fluids Product Location Distribution

3.4.2 Players Eco-friendly Low-carbon Cutting Fluids Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR ECO-FRIENDLY LOW-CARBON CUTTING FLUIDS BY GEOGRAPHIC REGION

4.1 World Historic Eco-friendly Low-carbon Cutting Fluids Market Size by Geographic Region (2020-2025)

4.1.1 Global Eco-friendly Low-carbon Cutting Fluids Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Eco-friendly Low-carbon Cutting Fluids Annual Revenue by Geographic

Region (2020-2025)

4.2 World Historic Eco-friendly Low-carbon Cutting Fluids Market Size by Country/Region (2020-2025)

4.2.1 Global Eco-friendly Low-carbon Cutting Fluids Annual Sales by Country/Region (2020-2025)

4.2.2 Global Eco-friendly Low-carbon Cutting Fluids Annual Revenue by Country/Region (2020-2025)

4.3 Americas Eco-friendly Low-carbon Cutting Fluids Sales Growth

4.4 APAC Eco-friendly Low-carbon Cutting Fluids Sales Growth

4.5 Europe Eco-friendly Low-carbon Cutting Fluids Sales Growth

4.6 Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales Growth

5 AMERICAS

5.1 Americas Eco-friendly Low-carbon Cutting Fluids Sales by Country

5.1.1 Americas Eco-friendly Low-carbon Cutting Fluids Sales by Country (2020-2025)

5.1.2 Americas Eco-friendly Low-carbon Cutting Fluids Revenue by Country (2020-2025)

5.2 Americas Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025)

5.3 Americas Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Eco-friendly Low-carbon Cutting Fluids Sales by Region

6.1.1 APAC Eco-friendly Low-carbon Cutting Fluids Sales by Region (2020-2025)

6.1.2 APAC Eco-friendly Low-carbon Cutting Fluids Revenue by Region (2020-2025)

6.2 APAC Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025)

6.3 APAC Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Eco-friendly Low-carbon Cutting Fluids by Country

7.1.1 Europe Eco-friendly Low-carbon Cutting Fluids Sales by Country (2020-2025)

7.1.2 Europe Eco-friendly Low-carbon Cutting Fluids Revenue by Country (2020-2025)

7.2 Europe Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025)

7.3 Europe Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Eco-friendly Low-carbon Cutting Fluids by Country

8.1.1 Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales by Country (2020-2025)

8.1.2 Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Revenue by Country (2020-2025)

8.2 Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025)

8.3 Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Eco-friendly Low-carbon Cutting Fluids
- 10.3 Manufacturing Process Analysis of Eco-friendly Low-carbon Cutting Fluids
- 10.4 Industry Chain Structure of Eco-friendly Low-carbon Cutting Fluids

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Eco-friendly Low-carbon Cutting Fluids Distributors
- 11.3 Eco-friendly Low-carbon Cutting Fluids Customer

12 WORLD FORECAST REVIEW FOR ECO-FRIENDLY LOW-CARBON CUTTING FLUIDS BY GEOGRAPHIC REGION

- 12.1 Global Eco-friendly Low-carbon Cutting Fluids Market Size Forecast by Region
 - 12.1.1 Global Eco-friendly Low-carbon Cutting Fluids Forecast by Region (2026-2031)
 - 12.1.2 Global Eco-friendly Low-carbon Cutting Fluids Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Eco-friendly Low-carbon Cutting Fluids Forecast by Type (2026-2031)
- 12.7 Global Eco-friendly Low-carbon Cutting Fluids Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 ELDON'S
 - 13.1.1 ELDON'S Company Information
 - 13.1.2 ELDON'S Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.1.3 ELDON'S Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.1.4 ELDON'S Main Business Overview
 - 13.1.5 ELDON'S Latest Developments
- 13.2 MotulTech
 - 13.2.1 MotulTech Company Information

13.2.2 MotulTech Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.2.3 MotulTech Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 MotulTech Main Business Overview

13.2.5 MotulTech Latest Developments

13.3 Morris Lubricants

13.3.1 Morris Lubricants Company Information

13.3.2 Morris Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.3.3 Morris Lubricants Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Morris Lubricants Main Business Overview

13.3.5 Morris Lubricants Latest Developments

13.4 BP(Castrol)

13.4.1 BP(Castrol) Company Information

13.4.2 BP(Castrol) Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.4.3 BP(Castrol) Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 BP(Castrol) Main Business Overview

13.4.5 BP(Castrol) Latest Developments

13.5 Quaker Houghton

13.5.1 Quaker Houghton Company Information

13.5.2 Quaker Houghton Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.5.3 Quaker Houghton Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Quaker Houghton Main Business Overview

13.5.5 Quaker Houghton Latest Developments

13.6 Cosmo Oil Lubricants Co.,Ltd.

13.6.1 Cosmo Oil Lubricants Co.,Ltd. Company Information

13.6.2 Cosmo Oil Lubricants Co.,Ltd. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.6.3 Cosmo Oil Lubricants Co.,Ltd. Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Cosmo Oil Lubricants Co.,Ltd. Main Business Overview

13.6.5 Cosmo Oil Lubricants Co.,Ltd. Latest Developments

13.7 Master

- 13.7.1 Master Company Information
- 13.7.2 Master Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
- 13.7.3 Master Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.7.4 Master Main Business Overview
- 13.7.5 Master Latest Developments
- 13.8 Matsumura Oil Research Corp.
 - 13.8.1 Matsumura Oil Research Corp. Company Information
 - 13.8.2 Matsumura Oil Research Corp. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.8.3 Matsumura Oil Research Corp. Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Matsumura Oil Research Corp. Main Business Overview
 - 13.8.5 Matsumura Oil Research Corp. Latest Developments
- 13.9 Q8Oils
 - 13.9.1 Q8Oils Company Information
 - 13.9.2 Q8Oils Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.9.3 Q8Oils Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Q8Oils Main Business Overview
 - 13.9.5 Q8Oils Latest Developments
- 13.10 Millers Oils
 - 13.10.1 Millers Oils Company Information
 - 13.10.2 Millers Oils Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.10.3 Millers Oils Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Millers Oils Main Business Overview
 - 13.10.5 Millers Oils Latest Developments
- 13.11 CRC Industries
 - 13.11.1 CRC Industries Company Information
 - 13.11.2 CRC Industries Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.11.3 CRC Industries Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.11.4 CRC Industries Main Business Overview
 - 13.11.5 CRC Industries Latest Developments

13.12 AMSOIL Industrial

13.12.1 AMSOIL Industrial Company Information

13.12.2 AMSOIL Industrial Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.12.3 AMSOIL Industrial Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 AMSOIL Industrial Main Business Overview

13.12.5 AMSOIL Industrial Latest Developments

13.13 Exol Lubricants

13.13.1 Exol Lubricants Company Information

13.13.2 Exol Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.13.3 Exol Lubricants Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 Exol Lubricants Main Business Overview

13.13.5 Exol Lubricants Latest Developments

13.14 Fuchs Lubricants

13.14.1 Fuchs Lubricants Company Information

13.14.2 Fuchs Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.14.3 Fuchs Lubricants Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 Fuchs Lubricants Main Business Overview

13.14.5 Fuchs Lubricants Latest Developments

13.15 Shell Global

13.15.1 Shell Global Company Information

13.15.2 Shell Global Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.15.3 Shell Global Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 Shell Global Main Business Overview

13.15.5 Shell Global Latest Developments

13.16 Motorex-Bucher Group AG

13.16.1 Motorex-Bucher Group AG Company Information

13.16.2 Motorex-Bucher Group AG Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.16.3 Motorex-Bucher Group AG Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.16.4 Motorex-Bucher Group AG Main Business Overview

- 13.16.5 Motorex-Bucher Group AG Latest Developments
- 13.17 MORESCO Corporation
 - 13.17.1 MORESCO Corporation Company Information
 - 13.17.2 MORESCO Corporation Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.17.3 MORESCO Corporation Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.17.4 MORESCO Corporation Main Business Overview
 - 13.17.5 MORESCO Corporation Latest Developments
- 13.18 Master Fluid Solutions
 - 13.18.1 Master Fluid Solutions Company Information
 - 13.18.2 Master Fluid Solutions Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.18.3 Master Fluid Solutions Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.18.4 Master Fluid Solutions Main Business Overview
 - 13.18.5 Master Fluid Solutions Latest Developments
- 13.19 Tap Magic
 - 13.19.1 Tap Magic Company Information
 - 13.19.2 Tap Magic Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.19.3 Tap Magic Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.19.4 Tap Magic Main Business Overview
 - 13.19.5 Tap Magic Latest Developments
- 13.20 Texas Technologies
 - 13.20.1 Texas Technologies Company Information
 - 13.20.2 Texas Technologies Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.20.3 Texas Technologies Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.20.4 Texas Technologies Main Business Overview
 - 13.20.5 Texas Technologies Latest Developments
- 13.21 HAI LU JYA HE CO., LTD
 - 13.21.1 HAI LU JYA HE CO., LTD Company Information
 - 13.21.2 HAI LU JYA HE CO., LTD Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.21.3 HAI LU JYA HE CO., LTD Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.21.4 HAI LU JYA HE CO., LTD Main Business Overview
- 13.21.5 HAI LU JYA HE CO., LTD Latest Developments
- 13.22 Henkel Adhesives
 - 13.22.1 Henkel Adhesives Company Information
 - 13.22.2 Henkel Adhesives Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.22.3 Henkel Adhesives Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.22.4 Henkel Adhesives Main Business Overview
 - 13.22.5 Henkel Adhesives Latest Developments
- 13.23 Sinopec Lubricants
 - 13.23.1 Sinopec Lubricants Company Information
 - 13.23.2 Sinopec Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.23.3 Sinopec Lubricants Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.23.4 Sinopec Lubricants Main Business Overview
 - 13.23.5 Sinopec Lubricants Latest Developments
- 13.24 LLTC
 - 13.24.1 LLTC Company Information
 - 13.24.2 LLTC Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.24.3 LLTC Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.24.4 LLTC Main Business Overview
 - 13.24.5 LLTC Latest Developments
- 13.25 Ammed Technology Co.
 - 13.25.1 Ammed Technology Co. Company Information
 - 13.25.2 Ammed Technology Co. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.25.3 Ammed Technology Co. Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.25.4 Ammed Technology Co. Main Business Overview
 - 13.25.5 Ammed Technology Co. Latest Developments
- 13.26 Francool
 - 13.26.1 Francool Company Information
 - 13.26.2 Francool Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications
 - 13.26.3 Francool Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and

Gross Margin (2020-2025)

13.26.4 Francool Main Business Overview

13.26.5 Francool Latest Developments

13.27 Tj-talent.com

13.27.1 Tj-talent.com Company Information

13.27.2 Tj-talent.com Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.27.3 Tj-talent.com Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.27.4 Tj-talent.com Main Business Overview

13.27.5 Tj-talent.com Latest Developments

13.28 TIANJIN AULOO LUBE OIL CO.,LTD.

13.28.1 TIANJIN AULOO LUBE OIL CO.,LTD. Company Information

13.28.2 TIANJIN AULOO LUBE OIL CO.,LTD. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.28.3 TIANJIN AULOO LUBE OIL CO.,LTD. Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.28.4 TIANJIN AULOO LUBE OIL CO.,LTD. Main Business Overview

13.28.5 TIANJIN AULOO LUBE OIL CO.,LTD. Latest Developments

13.29 Kasong Science And Technology Co., Ltd

13.29.1 Kasong Science And Technology Co., Ltd Company Information

13.29.2 Kasong Science And Technology Co., Ltd Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.29.3 Kasong Science And Technology Co., Ltd Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.29.4 Kasong Science And Technology Co., Ltd Main Business Overview

13.29.5 Kasong Science And Technology Co., Ltd Latest Developments

13.30 Kaffee Technologies (Wuhan) Co., Ltd.

13.30.1 Kaffee Technologies (Wuhan) Co., Ltd. Company Information

13.30.2 Kaffee Technologies (Wuhan) Co., Ltd. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.30.3 Kaffee Technologies (Wuhan) Co., Ltd. Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.30.4 Kaffee Technologies (Wuhan) Co., Ltd. Main Business Overview

13.30.5 Kaffee Technologies (Wuhan) Co., Ltd. Latest Developments

13.31 Frank-oil

13.31.1 Frank-oil Company Information

13.31.2 Frank-oil Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

13.31.3 Frank-oil Eco-friendly Low-carbon Cutting Fluids Sales, Revenue, Price and Gross Margin (2020-2025)

13.31.4 Frank-oil Main Business Overview

13.31.5 Frank-oil Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Eco-friendly Low-carbon Cutting Fluids Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Eco-friendly Low-carbon Cutting Fluids Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Eco-friendly Microemulsion Cutting Fluid

Table 4. Major Players of Fully Synthetic Eco-friendly Cutting Fluid

Table 5. Major Players of Semi-synthetic Eco-friendly Cutting Fluid

Table 6. Major Players of Plant-based/Recycled Cutting Fluid

Table 7. Global Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025) & (Tons)

Table 8. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type (2020-2025)

Table 9. Global Eco-friendly Low-carbon Cutting Fluids Revenue by Type (2020-2025) & (\$ million)

Table 10. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Type (2020-2025)

Table 11. Global Eco-friendly Low-carbon Cutting Fluids Sale Price by Type (2020-2025) & (US\$/kg)

Table 12. Global Eco-friendly Low-carbon Cutting Fluids Sale by Application (2020-2025) & (Tons)

Table 13. Global Eco-friendly Low-carbon Cutting Fluids Sale Market Share by Application (2020-2025)

Table 14. Global Eco-friendly Low-carbon Cutting Fluids Revenue by Application (2020-2025) & (\$ million)

Table 15. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Application (2020-2025)

Table 16. Global Eco-friendly Low-carbon Cutting Fluids Sale Price by Application (2020-2025) & (US\$/kg)

Table 17. Global Eco-friendly Low-carbon Cutting Fluids Sales by Company (2020-2025) & (Tons)

Table 18. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Company (2020-2025)

Table 19. Global Eco-friendly Low-carbon Cutting Fluids Revenue by Company (2020-2025) & (\$ millions)

Table 20. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by

Company (2020-2025)

Table 21. Global Eco-friendly Low-carbon Cutting Fluids Sale Price by Company (2020-2025) & (US\$/kg)

Table 22. Key Manufacturers Eco-friendly Low-carbon Cutting Fluids Producing Area Distribution and Sales Area

Table 23. Players Eco-friendly Low-carbon Cutting Fluids Products Offered

Table 24. Eco-friendly Low-carbon Cutting Fluids Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 25. New Products and Potential Entrants

Table 26. Market M&A Activity & Strategy

Table 27. Global Eco-friendly Low-carbon Cutting Fluids Sales by Geographic Region (2020-2025) & (Tons)

Table 28. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share Geographic Region (2020-2025)

Table 29. Global Eco-friendly Low-carbon Cutting Fluids Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 30. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Geographic Region (2020-2025)

Table 31. Global Eco-friendly Low-carbon Cutting Fluids Sales by Country/Region (2020-2025) & (Tons)

Table 32. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country/Region (2020-2025)

Table 33. Global Eco-friendly Low-carbon Cutting Fluids Revenue by Country/Region (2020-2025) & (\$ millions)

Table 34. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Country/Region (2020-2025)

Table 35. Americas Eco-friendly Low-carbon Cutting Fluids Sales by Country (2020-2025) & (Tons)

Table 36. Americas Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country (2020-2025)

Table 37. Americas Eco-friendly Low-carbon Cutting Fluids Revenue by Country (2020-2025) & (\$ millions)

Table 38. Americas Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025) & (Tons)

Table 39. Americas Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025) & (Tons)

Table 40. APAC Eco-friendly Low-carbon Cutting Fluids Sales by Region (2020-2025) & (Tons)

Table 41. APAC Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Region

(2020-2025)

Table 42. APAC Eco-friendly Low-carbon Cutting Fluids Revenue by Region (2020-2025) & (\$ millions)

Table 43. APAC Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025) & (Tons)

Table 44. APAC Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025) & (Tons)

Table 45. Europe Eco-friendly Low-carbon Cutting Fluids Sales by Country (2020-2025) & (Tons)

Table 46. Europe Eco-friendly Low-carbon Cutting Fluids Revenue by Country (2020-2025) & (\$ millions)

Table 47. Europe Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025) & (Tons)

Table 48. Europe Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025) & (Tons)

Table 49. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales by Country (2020-2025) & (Tons)

Table 50. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Country (2020-2025)

Table 51. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales by Type (2020-2025) & (Tons)

Table 52. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales by Application (2020-2025) & (Tons)

Table 53. Key Market Drivers & Growth Opportunities of Eco-friendly Low-carbon Cutting Fluids

Table 54. Key Market Challenges & Risks of Eco-friendly Low-carbon Cutting Fluids

Table 55. Key Industry Trends of Eco-friendly Low-carbon Cutting Fluids

Table 56. Eco-friendly Low-carbon Cutting Fluids Raw Material

Table 57. Key Suppliers of Raw Materials

Table 58. Eco-friendly Low-carbon Cutting Fluids Distributors List

Table 59. Eco-friendly Low-carbon Cutting Fluids Customer List

Table 60. Global Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Region (2026-2031) & (Tons)

Table 61. Global Eco-friendly Low-carbon Cutting Fluids Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 62. Americas Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Country (2026-2031) & (Tons)

Table 63. Americas Eco-friendly Low-carbon Cutting Fluids Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 64. APAC Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Region (2026-2031) & (Tons)

Table 65. APAC Eco-friendly Low-carbon Cutting Fluids Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 66. Europe Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Country (2026-2031) & (Tons)

Table 67. Europe Eco-friendly Low-carbon Cutting Fluids Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Country (2026-2031) & (Tons)

Table 69. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 70. Global Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Type (2026-2031) & (Tons)

Table 71. Global Eco-friendly Low-carbon Cutting Fluids Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 72. Global Eco-friendly Low-carbon Cutting Fluids Sales Forecast by Application (2026-2031) & (Tons)

Table 73. Global Eco-friendly Low-carbon Cutting Fluids Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 74. ELDON'S Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 75. ELDON'S Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 76. ELDON'S Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 77. ELDON'S Main Business

Table 78. ELDON'S Latest Developments

Table 79. MotulTech Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 80. MotulTech Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 81. MotulTech Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 82. MotulTech Main Business

Table 83. MotulTech Latest Developments

Table 84. Morris Lubricants Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 85. Morris Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios

and Specifications

Table 86. Morris Lubricants Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 87. Morris Lubricants Main Business

Table 88. Morris Lubricants Latest Developments

Table 89. BP(Castrol) Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 90. BP(Castrol) Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 91. BP(Castrol) Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 92. BP(Castrol) Main Business

Table 93. BP(Castrol) Latest Developments

Table 94. Quaker Houghton Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 95. Quaker Houghton Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 96. Quaker Houghton Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 97. Quaker Houghton Main Business

Table 98. Quaker Houghton Latest Developments

Table 99. Cosmo Oil Lubricants Co.,Ltd. Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 100. Cosmo Oil Lubricants Co.,Ltd. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 101. Cosmo Oil Lubricants Co.,Ltd. Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 102. Cosmo Oil Lubricants Co.,Ltd. Main Business

Table 103. Cosmo Oil Lubricants Co.,Ltd. Latest Developments

Table 104. Master Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 105. Master Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 106. Master Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 107. Master Main Business

Table 108. Master Latest Developments

Table 109. Matsumura Oil Research Corp. Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 110. Matsumura Oil Research Corp. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 111. Matsumura Oil Research Corp. Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 112. Matsumura Oil Research Corp. Main Business

Table 113. Matsumura Oil Research Corp. Latest Developments

Table 114. Q8Oils Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 115. Q8Oils Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 116. Q8Oils Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 117. Q8Oils Main Business

Table 118. Q8Oils Latest Developments

Table 119. Millers Oils Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 120. Millers Oils Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 121. Millers Oils Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 122. Millers Oils Main Business

Table 123. Millers Oils Latest Developments

Table 124. CRC Industries Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 125. CRC Industries Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 126. CRC Industries Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 127. CRC Industries Main Business

Table 128. CRC Industries Latest Developments

Table 129. AMSOIL Industrial Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 130. AMSOIL Industrial Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 131. AMSOIL Industrial Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 132. AMSOIL Industrial Main Business

Table 133. AMSOIL Industrial Latest Developments

Table 134. Exol Lubricants Basic Information, Eco-friendly Low-carbon Cutting Fluids

Manufacturing Base, Sales Area and Its Competitors

Table 135. Exol Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 136. Exol Lubricants Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 137. Exol Lubricants Main Business

Table 138. Exol Lubricants Latest Developments

Table 139. Fuchs Lubricants Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 140. Fuchs Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 141. Fuchs Lubricants Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 142. Fuchs Lubricants Main Business

Table 143. Fuchs Lubricants Latest Developments

Table 144. Shell Global Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 145. Shell Global Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 146. Shell Global Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 147. Shell Global Main Business

Table 148. Shell Global Latest Developments

Table 149. Motorex-Bucher Group AG Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 150. Motorex-Bucher Group AG Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 151. Motorex-Bucher Group AG Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 152. Motorex-Bucher Group AG Main Business

Table 153. Motorex-Bucher Group AG Latest Developments

Table 154. MORESCO Corporation Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 155. MORESCO Corporation Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 156. MORESCO Corporation Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 157. MORESCO Corporation Main Business

Table 158. MORESCO Corporation Latest Developments

Table 159. Master Fluid Solutions Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 160. Master Fluid Solutions Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 161. Master Fluid Solutions Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 162. Master Fluid Solutions Main Business

Table 163. Master Fluid Solutions Latest Developments

Table 164. Tap Magic Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 165. Tap Magic Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 166. Tap Magic Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 167. Tap Magic Main Business

Table 168. Tap Magic Latest Developments

Table 169. Texas Technologies Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 170. Texas Technologies Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 171. Texas Technologies Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 172. Texas Technologies Main Business

Table 173. Texas Technologies Latest Developments

Table 174. HAI LU JYA HE CO., LTD Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 175. HAI LU JYA HE CO., LTD Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 176. HAI LU JYA HE CO., LTD Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 177. HAI LU JYA HE CO., LTD Main Business

Table 178. HAI LU JYA HE CO., LTD Latest Developments

Table 179. Henkel Adhesives Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 180. Henkel Adhesives Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 181. Henkel Adhesives Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 182. Henkel Adhesives Main Business

Table 183. Henkel Adhesives Latest Developments

Table 184. Sinopec Lubricants Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 185. Sinopec Lubricants Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 186. Sinopec Lubricants Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 187. Sinopec Lubricants Main Business

Table 188. Sinopec Lubricants Latest Developments

Table 189. LLTC Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 190. LLTC Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 191. LLTC Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 192. LLTC Main Business

Table 193. LLTC Latest Developments

Table 194. Ammed Technology Co. Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 195. Ammed Technology Co. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 196. Ammed Technology Co. Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 197. Ammed Technology Co. Main Business

Table 198. Ammed Technology Co. Latest Developments

Table 199. Francool Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 200. Francool Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 201. Francool Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 202. Francool Main Business

Table 203. Francool Latest Developments

Table 204. Tj-talent.com Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 205. Tj-talent.com Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 206. Tj-talent.com Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 207. Tj-talent.com Main Business

Table 208. Tj-talent.com Latest Developments

Table 209. TIANJIN AULOOB LUBE OIL CO.,LTD. Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 210. TIANJIN AULOOB LUBE OIL CO.,LTD. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 211. TIANJIN AULOOB LUBE OIL CO.,LTD. Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 212. TIANJIN AULOOB LUBE OIL CO.,LTD. Main Business

Table 213. TIANJIN AULOOB LUBE OIL CO.,LTD. Latest Developments

Table 214. Kasong Science And Technology Co., Ltd Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 215. Kasong Science And Technology Co., Ltd Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 216. Kasong Science And Technology Co., Ltd Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 217. Kasong Science And Technology Co., Ltd Main Business

Table 218. Kasong Science And Technology Co., Ltd Latest Developments

Table 219. Kaffee Technologies (Wuhan) Co., Ltd. Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 220. Kaffee Technologies (Wuhan) Co., Ltd. Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 221. Kaffee Technologies (Wuhan) Co., Ltd. Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 222. Kaffee Technologies (Wuhan) Co., Ltd. Main Business

Table 223. Kaffee Technologies (Wuhan) Co., Ltd. Latest Developments

Table 224. Frank-oil Basic Information, Eco-friendly Low-carbon Cutting Fluids Manufacturing Base, Sales Area and Its Competitors

Table 225. Frank-oil Eco-friendly Low-carbon Cutting Fluids Product Portfolios and Specifications

Table 226. Frank-oil Eco-friendly Low-carbon Cutting Fluids Sales (Tons), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2020-2025)

Table 227. Frank-oil Main Business

Table 228. Frank-oil Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Eco-friendly Low-carbon Cutting Fluids
- Figure 2. Eco-friendly Low-carbon Cutting Fluids Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Eco-friendly Low-carbon Cutting Fluids Sales Growth Rate 2020-2031 (Tons)
- Figure 7. Global Eco-friendly Low-carbon Cutting Fluids Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Eco-friendly Low-carbon Cutting Fluids Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country/Region (2024)
- Figure 10. Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Eco-friendly Microemulsion Cutting Fluid
- Figure 12. Product Picture of Fully Synthetic Eco-friendly Cutting Fluid
- Figure 13. Product Picture of Semi-synthetic Eco-friendly Cutting Fluid
- Figure 14. Product Picture of Plant-based/Recycled Cutting Fluid
- Figure 15. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type in 2025
- Figure 16. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Type (2020-2025)
- Figure 17. Eco-friendly Low-carbon Cutting Fluids Consumed in Metal Processing Industry
- Figure 18. Global Eco-friendly Low-carbon Cutting Fluids Market: Metal Processing Industry (2020-2025) & (Tons)
- Figure 19. Eco-friendly Low-carbon Cutting Fluids Consumed in Electronic and Electrical Industry
- Figure 20. Global Eco-friendly Low-carbon Cutting Fluids Market: Electronic and Electrical Industry (2020-2025) & (Tons)
- Figure 21. Eco-friendly Low-carbon Cutting Fluids Consumed in Plastic Processing Industry
- Figure 22. Global Eco-friendly Low-carbon Cutting Fluids Market: Plastic Processing Industry (2020-2025) & (Tons)

Figure 23. Eco-friendly Low-carbon Cutting Fluids Consumed in Military Industry

Figure 24. Global Eco-friendly Low-carbon Cutting Fluids Market: Military Industry (2020-2025) & (Tons)

Figure 25. Global Eco-friendly Low-carbon Cutting Fluids Sale Market Share by Application (2024)

Figure 26. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Application in 2025

Figure 27. Eco-friendly Low-carbon Cutting Fluids Sales by Company in 2025 (Tons)

Figure 28. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Company in 2025

Figure 29. Eco-friendly Low-carbon Cutting Fluids Revenue by Company in 2025 (\$ millions)

Figure 30. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Company in 2025

Figure 31. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Geographic Region (2020-2025)

Figure 32. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Geographic Region in 2025

Figure 33. Americas Eco-friendly Low-carbon Cutting Fluids Sales 2020-2025 (Tons)

Figure 34. Americas Eco-friendly Low-carbon Cutting Fluids Revenue 2020-2025 (\$ millions)

Figure 35. APAC Eco-friendly Low-carbon Cutting Fluids Sales 2020-2025 (Tons)

Figure 36. APAC Eco-friendly Low-carbon Cutting Fluids Revenue 2020-2025 (\$ millions)

Figure 37. Europe Eco-friendly Low-carbon Cutting Fluids Sales 2020-2025 (Tons)

Figure 38. Europe Eco-friendly Low-carbon Cutting Fluids Revenue 2020-2025 (\$ millions)

Figure 39. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales 2020-2025 (Tons)

Figure 40. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Revenue 2020-2025 (\$ millions)

Figure 41. Americas Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country in 2025

Figure 42. Americas Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Country (2020-2025)

Figure 43. Americas Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type (2020-2025)

Figure 44. Americas Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Application (2020-2025)

Figure 45. United States Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 46. Canada Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 47. Mexico Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 48. Brazil Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 49. APAC Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Region in 2025

Figure 50. APAC Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Region (2020-2025)

Figure 51. APAC Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type (2020-2025)

Figure 52. APAC Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Application (2020-2025)

Figure 53. China Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 54. Japan Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 55. South Korea Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 56. Southeast Asia Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 57. India Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 58. Australia Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 59. China Taiwan Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 60. Europe Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country in 2025

Figure 61. Europe Eco-friendly Low-carbon Cutting Fluids Revenue Market Share by Country (2020-2025)

Figure 62. Europe Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type (2020-2025)

Figure 63. Europe Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Application (2020-2025)

Figure 64. Germany Eco-friendly Low-carbon Cutting Fluids Revenue Growth

2020-2025 (\$ millions)

Figure 65. France Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 66. UK Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 67. Italy Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 68. Russia Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 69. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Country (2020-2025)

Figure 70. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Type (2020-2025)

Figure 71. Middle East & Africa Eco-friendly Low-carbon Cutting Fluids Sales Market Share by Application (2020-2025)

Figure 72. Egypt Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 73. South Africa Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 74. Israel Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 75. Turkey Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 76. GCC Countries Eco-friendly Low-carbon Cutting Fluids Revenue Growth 2020-2025 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of Eco-friendly Low-carbon Cutting Fluids in 2025

Figure 78. Manufacturing Process Analysis of Eco-friendly Low-carbon Cutting Fluids

Figure 79. Industry Chain Structure of Eco-friendly Low-carbon Cutting Fluids

Figure 80. Channels of Distribution

Figure 81. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Forecast by Region (2026-2031)

Figure 82. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share Forecast by Region (2026-2031)

Figure 83. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share Forecast by Type (2026-2031)

Figure 84. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share Forecast by Type (2026-2031)

Figure 85. Global Eco-friendly Low-carbon Cutting Fluids Sales Market Share Forecast

by Application (2026-2031)

Figure 86. Global Eco-friendly Low-carbon Cutting Fluids Revenue Market Share
Forecast by Application (2026-2031)

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