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Global Water-Based Cutting Fluids Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Water-Based Cutting Fluids market size is expected to reach $ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The application of cutting fluid in the field of engineering manufacturing has a history of hundreds of years, and it plays a vital role in the processing efficiency and surface quality of parts. Among them, water-based cutting fluid accounts for more than 90% of the consumption of cutting fluid. Water-based cutting fluid is made by mixing mineral oil or synthetic oil with water in a certain proportion. It is a coolant and lubricant widely used in processing. Adding various additives to the cutting fluid is often necessary to enhance the performance of the cutting fluid and prolong its service life.Water-based cutting fluids are divided into emulsion type, semisynthetic type and synthetic type. Emulsified cutting fluid is an oil-in-water emulsion obtained by mixing base oil (mineral oil) with water containing emulsifiers. The content of mineral oil is greater than 60%, showing milky white. Synthetic cutting fluid takes inorganic salt and organic amine as the main body and adds various additives such as preservatives or defoamers to dissolve in water to form a transparent or slightly colored aqueous solution. Semisynthetic cutting fluid is a combination of oil-in-water emulsion and synthetic fluid, which has the characteristics of emulsified cutting fluid and synthetic cutting fluid.Compared with oil-based cutting fluids, water-based cutting fluids use additives such as lubricants, rust inhibitors, and antioxidants, which makes the water-based cutting fluid not only maintain the lubrication and antirust performance of the oil-based cutting fluid but also have a stronger heat dissipation capacity. Among water-based cutting fluids, semisynthetic cutting fluids have gradually become the best choice in the metal processing industry due to their excellent comprehensive performance.

This report studies the global Water-Based Cutting Fluids production, demand, key

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manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Water-Based Cutting Fluids, and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Water-Based Cutting Fluids that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Water-Based Cutting Fluids total production and demand, 2018-2029, (Tons)

Global Water-Based Cutting Fluids total production value, 2018-2029, (USD Million)

Global Water-Based Cutting Fluids production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Water-Based Cutting Fluids consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Water-Based Cutting Fluids domestic production, consumption, key domestic manufacturers and share

Global Water-Based Cutting Fluids production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Water-Based Cutting Fluids production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Water-Based Cutting Fluids production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Water-Based Cutting Fluids market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bio-Circle Surface Technology GmbH, Milo Tools, Exxon Mobil Corporation, ELDON’S, MOTUL TECH, Morris Lubricants, BP(Castrol), Quaker Houghton and COSMO Oil, etc.

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This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Water-Based Cutting Fluids market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (US$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Water-Based Cutting Fluids Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Water-Based Cutting Fluids Market, Segmentation by Type

Emulsion

Chemical Synthesis Liquid

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Semi-Synthetic Liquid

Global Water-Based Cutting Fluids Market, Segmentation by Application

Automotive Manufacturing

Aerospace Manufacturing

Mold Processing Industry

Machinery Manufacturing

Shipbuilding Industry

Other

Companies Profiled:

Bio-Circle Surface Technology GmbH

Milo Tools

Exxon Mobil Corporation

ELDON’S

MOTUL TECH

Morris Lubricants

BP(Castrol)

Quaker Houghton

COSMO Oil

Master

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HAI LU JYA HE Co.,Ltd.

MORESCO Corporation

Q8Oils

Millers Oils

CRC Industries

Benz

International Lubricants

Key Questions Answered

1. How big is the global Water-Based Cutting Fluids market?

2. What is the demand of the global Water-Based Cutting Fluids market?

3. What is the year over year growth of the global Water-Based Cutting Fluids market?

4. What is the production and production value of the global Water-Based Cutting Fluids market?

5. Who are the key producers in the global Water-Based Cutting Fluids market?

6. What are the growth factors driving the market demand?

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