Automotive Coolant Market Research Report - Global Forecast Till 2025

Global Automotive Coolant Market Research Report: By Product Type (Ethylene Glycol, Propylene Glycol and Glycerin), Technology (Inorganic Acid, Organic Acid and Hybrid Organic Acid), Application (OEMs and Aftermarket), and Region (North America, Asia-Pacific, Europe, Latin America, and Middle East & Africa)—Forecast till 2025

Market Overview:

The global automotive coolant market was valued USD 1091.1 million in 2018 and is expected to exhibit a CAGR of 5.33% during the review period.

Figure 1 – The figure represents the growth rate of the automotive coolant market to 2025.

Automotive coolant is a substance that flows in the engine motors of various vehicles, including commercial and passenger vehicles, in the form of liquid or gas; this helps remove the excess heat from the engine motors while keeping it cool. Automotive coolants are used across all types of automobiles, starting from small to heavy engines. The coolant allows the engine to maintain low temperatures while maintaining and minimizing the fuel consumption rate and improving the per mile average of the vehicle. The global automotive coolant market is expected to grow largely due to an increase in the number of passenger and commercial vehicles across the globe. The increase in transportation and goods transfer (trade) across states and borders is further expected to fuel the growth of the automotive coolant market during the forecast period. According to the Organisation Internationale des Constructeurs d'Automobiles in 2018, the global sales of commercial vehicles reached over 26 million from 25 million in 2017. The demand for passenger vehicles, including cars, SUVs, vans, and three- and two-wheeler vehicles, has been growing at a rapid pace. For instance, according to the Organisation Internationale des Constructeurs d'Automobiles (OICA), the sales of passenger cars increased by 85.3% in Austria, 5.6% in Slovakia, 15.9% in Russia, 2.4% in Argentina, 3.4% in Brazil, 2.6% in India, and by 19.9% in Morocco along with increase in other countries. Owing to these factors, the demand for automotive coolant is expected to propel during the forecast period.

The automotive coolant market is primarily driven by the growth and application in the automotive industry across the globe. The growth of the automotive industry in recent years has a major impact on the growth of the market. The use of automotive coolants as anti-freezing agent keeps the radiator from overheating in extreme heat conditions and prevents the engine from freezing in extreme cold environment. These coolants offer high durability of the engines in a cost-effective way. The coolants also offer anti-corrosion property while increasing the life span of higher mileage vehicles. Furthermore, the stringent regulatory scenario toward antifreeze disposal & recycling by the government agencies has encouraged the manufacturers to adopt coolants in automotive industry. Moreover, latest standards from ASTM International and regulations from Department of Environmental Quality are further expected to propel the demand of coolants from the automotive industry. Thus,
the extensive growth of the automotive and transportation industry in various regions is expected to fuel the
growth of the automotive coolant market during the forecast period.

However, stringent government regulations towards the product and high manufacturing cost coupled with the
fluctuation of prices for coolant raw materials are compelling the market players to opt for cost-effective
substitutes or invest in expanding their production capacity, which would help the market growth. However, these
factors are expected to create restraint for the growth of the automotive coolant market during the forecast
period.

Figure 2 – Global Automotive Coolant Market Share, by Product Type, 2018 (%)

Source: MRFR Analysis

Regional Analysis:

Asia-Pacific is expected to be the largest regional market in the global automotive coolant market during the
forecast period. The stringent regulations in Europe and North America have compelled the manufacturers to
shift toward emerging economies, where they are provided with flexible policies and better manufacturing
amenities such as inexpensive labor and availability of raw materials at low costs. The presence of a high
number of automotive industries in this region is an important factor propelling the adoption of automotive
coolant in the region. Developing countries in this region, namely India, Taiwan, China, and Myanmar, are
steadily adopting the latest versions of automobiles. Thus, the rise in the production of automotive coolant due to
its high consumption in the region is expected to propel the growth of the automotive coolant market during the
forecast period. Moreover, in 2018, China manufactured 23.5 million units of passenger cars. According to the
China Association of Automobile Manufacturers, commercial vehicles increased by 5.05% in 2018. Thus, these
factors are expected to boost the demand for automotive coolants in Asia-Pacific

Asia-Pacific is followed by Europe, which is the second-largest region in the automotive coolant market. The
growth of the market in this region is attributed to the demand for automotive coolant in this region is driven by
the application of the product in OEMs as well as in after-markets of the automotive industry. North America is
another significant market after Europe in the global automotive coolant market. The use of automotive coolant in
applications of after-market and high usage of rented vehicles coupled with high snowfall regions majorly drives
the demand for the product in this region for automotive coolant market during the review period.

Latin America and the Middle East & Africa are expected to register moderate growth in the automotive coolant
market during the forecast period mainly due to rise in the number of automotive manufacturing plants. In 2018,
the sales of passenger vehicles increased by 3.4% in Brazil followed by 2.4% in Argentina, thus, propelling the
growth in the region.

Segmentation Analysis:

The global automotive coolant market has been segmented based on product type, application, end-use
industry, and region.

Based on product type, the global automotive coolant market has been categorized as ethylene glycol, propylene
glycol, and glycerin.

Based on technology, the global automotive coolant market has been classified as inorganic acid, organic acid,
and hybrid organic acid.

Based on application, the global automotive coolant market has been categorized as OEMs and aftermarket.

The global automotive coolant market, by region, has been segregated into North America, Latin America,
Europe, Asia Pacific, and the Middle East & Africa.

Key players:
Some of the key players operating in the global automotive coolant market are Valvoline LLC (US), Total S.A (France), Castrol Limited (UK), Exxon Mobil Corp (US), Royal Dutch Shell plc (The Netherlands), Sinopec Lubricant Company (China), Ashland (US), Sinclair Oil Corporation (US), Chevron U.S.A. Inc. (US), and British Petroleum (UK).

Target Audience:
- Automotive Coolant Manufacturers
- Traders and Distributors of Automotive Coolant
- Research and Development Institute
- Potential Investors
- Raw Material Suppliers
- National Laboratory

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