

Global Metal Surface Treatment Chemicals Market Outlook to 2027

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Abstracts

Metal Surface Treatment Chemicals are the chemicals used in the procedure that adds new functionalities to the metal's surface, such as rust and wear resistance or improving the decorative properties to enhance its appearance. According to BlueQuark Research & Consulting, the global Metal Surface Treatment Chemicals market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing use of Metal Surface Treatment Chemicals in the automotive industry, which helps in increasing its longer lifetime, weight reduction, friction reduction, and corrosion resistance, are expected to drive the global market. Further, in the construction industry, Metal Surface Treatment Chemicals effectively improve surface layer quality and protect the metal structures projected to drive the global market. Furthermore, in electronics, Metal Surface Treatment Chemicals used in the electric circuit boards, electromagnetic shielding of magnetic phones, computers, and Hifi equipment are expected to drive market growth. However, the emitted chemicals can cause various adverse health effects depending upon the toxic nature of the substances, the medium of exposure, the chemical concentration to which an individual is exposed, and the duration and frequency of the exposure are expected to hinder the global market growth.

In the automotive industry, metals such as steel, aluminum, iron, and titanium require surface treatment for different purposes, including electrical insulation, aesthetic appeal, and thermal insulation. It is used in the construction industry to protect metal structures protection. It is used in the electronic industry, and surface treatment chemical solutions play critical roles in aerospace casting. It is also used in metal-based packaging materials, which provides excellent barrier properties, widely used in food packaging.

The Automotive Industry is the most vital consumer of Metal Surface Treatment Chemicals and is projected to drive the Global Market. In the automobile industry, metal

surface treatment chemicals are used for passenger cars and commercial vehicles. This treatment is essential because it improves the mechanical qualities such as hardness, wear, fatigue resistance, and corrosion resistance of the treated surface components, making the Global Market for Metal Surface Treatment Chemicals bound to rise. New-vehicle retail sales for October 2021 are expected to decline compared with October 2020 and October 2019. Total sales in October 2021, including retail and non-retail transactions, reached 1,085,500 units, a 17.2% decrease from October 2020 and an 18.8% decrease from October 2019. Metal surface treatment chemical is used for physical or chemical work method that involves repairing or renovating damaged or replacing body panel for successful implementation of the surface coating. Metal surface treatment chemicals are essential as this process gives improved quality products. It offers efficient, reliable, innovative, and sustainable equipment, the demand for the industry shoots, thus driving the Global Metal Surface Treatment Chemicals Industry. Therefore the mentioned use of Metal Surface Treatment Chemicals in the Automotive Industry is expected to grow and drive the overall market in the future.

The Asia-Pacific region is expected to be the leader in producing and consuming Metal Surface Treatment Chemicals, with most of the consumption in countries like China and India. With the growing population, the demand for Metal Surface Treatment Chemicals in the automotive industry has increased. It is used in the everyday manufacture of parts for the automotive industry. It is chosen to meet its functional and aesthetic needs, thus driving the global Metal Surface Treatment Chemicals market. The demand for Metal Surface Treatment Chemicals is increasing in the construction industry due to increasing industrialization, Metal Surface Treatment Chemicals are used in modern construction, including finishing mortars and concretes, natural and artificial masonry materials, decorative ceramics, and materials made from wood and glass, which is driving the need for Metal Surface Treatment Chemicals in the Global Market. In the electronic industry, Metal Surface Treatment Chemicals is used for printed circuit boards, semiconductor manufacturing, which deposits the thin layer of metal on conductive and non-conductive surfaces through electrolytic processes, is expected to drive the demand for Metal Surface Treatment Chemicals in the market. In the aerospace industry, metal surface treatment chemicals are used in complex geometries and intricate designs that give a very smooth finish with fewer blemishes and require minor polishing and processing, driving the global Metal Surface Treatment Chemicals market. In the packaging industry, Metal Surface Treatment Chemicals are used in different package forms and also closures for glass bottles and composite cans, driving the Metal Surface Treatment Chemicals market. The mentioned factors have made the Asia-Pacific an essential region for growth in the Metal Surface Treatment Chemicals Market.

Some of the market's key players are PPG Industries, Inc., BASF SE, Henkel AG & Co. KGaA, Vanchem Performance Chemicals, Quaker Houghton, among others.

In February 2021, MP2S (Mineral Pickling Stainless Steel), an ISERCO subsidiary, has two surface treatment lines using Sublimotion process technology. This patent technology is designed for the treatment of stainless steel.

In June 2020, BASF SE inaugurated its application center for Metal Surface Treatment (MST) in Shanghai, China's innovation campus.

The Global Metal Surface Treatment Chemicals Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Metal Surface Treatment Chemicals market by segmenting based on the By Form (Solid, Liquid, Others), By Manufacturing Process (Electroplating, Electroless Plating, Chemical Treatment, Anodic Oxidation, Hot Dipping, Vacuum Plating, Painting, Thermal Spraying, Others), By Application (Automotive, Construction, Electronics, Aerospace, Packaging, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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