

C2 Chlorinated Solvents Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 100 pages | Mordor Intelligence

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Report description:

The market for C2 chlorinated solvents is expected to register a CAGR of more than 5% during the forecast period.

Chlorinated solvents, also known as chlorinated volatile organic compounds (CVOCs), are chlorine-containing chemical compounds that have been widely employed in a variety of industries. Refrigeration and air conditioning, dry cleaning, automotive aerosols, and other similar applications are among the most common uses. With the increase in demand for automotive and air conditioners across the world, the demand for chlorinated solvents is expected to rise in the coming years.

Key Highlights

The major factors driving the market studied are the increasing demand for trichloroethylene for degreasing applications. Implementation of the Montreal Protocol and Kyoto Protocol and stringent government regulations concerning perchloroethylene use are expected to hinder the market.

Asia-Pacific dominated the market globally, with the largest consumption in countries such as China and India.

C2 Chlorinated Solvents Market Trends

Perchloroethylene is Expected to Dominate the Market

Perchloroethylene is a chlorinated 2-carbon nonpolar solvent. It is a suitable solvent for organic compounds that do not dissolve well in hydrocarbons, polar solvents, and many organic materials.

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It is produced mainly by reacting hydrocarbons, such as propane or propylene, or chlorinated hydrocarbons, such as ethylene dichloride (EDC), with chlorine.

Perchloroethylene is a solvent that is frequently used in dry cleaning. When it is applied to a material or fabric, it aids in the dissolving of greases, oils, and waxes without harming the fabric.

Fluorocarbon grade perchloroethylene is a primary raw material used in the production of chlorofluorocarbons (CFCs), primarily trichlorotrifluoroethane (CFC-113), which is used in electronics, metal cleaning, and dry cleaning.

Direct chlorination of specific hydrocarbons is currently used to manufacture the bulk of perchloroethylene in the United States. At high temperatures, chlorine reacts with a hydrocarbon such as methane, ethane, propane, or propylene, with or without the use of a catalyst.

With the increase in applications in various industries, perchloroethylene is expected to dominate the market in the coming years.

The United States May Dominate the North American Region

The United States is one of the largest producers of automotive in the world. According to OICA data, automotive production in 2021 was around 91,67,214 units, with a 4% increase compared to the previous year.

The US industry is one of the largest exporters of textile-related products in the world. In the textile industry, trichloroethylene has been used as a carrier solvent for spotting fluids and as a solvent in dyeing and finishing.

In the first 10 months of 2021, textile and apparel exports from the United States increased by 18.62% Y-o-Y. According to data from the US Department of Commerce's Office of Textiles and Apparel, exports totaled USD18.803 billion from January to October 2021, up from USD 15.850 billion in the same period the previous year.

Mexico and Canada are the largest markets for US textiles, accounting for 55% of the total trade.

Hence, the aforementioned trends in the textile industry are expected to drive the market for C2 chlorinated solvents in the country during the forecast period.

C2 Chlorinated Solvents Market Competitor Analysis

The C2 chlorinated solvents market is fragmented in nature. Some of the prominent players (not in any particular order) in the market include 3M, Solvay, Dow, INEOS, and Westlake Chemical Corporation.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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