

Acetonitrile Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 By Type (Derivative Acetonitrile and Solvent Acetonitrile), By Application (Pharmaceutical, Agrochemical, Butadiene Extraction, Research & Development and Others), By Purpose (Reagent, Reaction Solvent, Extraction Solvent, Feedstock), By Region and Competition

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Abstracts

Global Acetonitrile Market is anticipated to witness robust growth in the forecast period, 2024-2028. The global acetonitrile market is expanding due to continuous demand from different end-user industries, such as pharmaceuticals, specialty chemicals, electronics, HPLC applications, and biotechnological applications. Acetonitrile is a principal component in the pharmaceutical industry. Queen's University Belfast states that the pharmaceutical industry captures 70% of the global acetonitrile market. An increase in acetonitrile demand is due to various factors, such as its excellent solvation ability and properties like low freezing, boiling points, and toxicity.

Acetonitrile's use in liquid chromatography analyses is rising because of its exceptional physicochemical properties for separation and detection. However, much junk material is generated from fluid chromatography analysis using acetonitrile. Therefore, alternative substitutes like acetone and Ethyl Lactate are also entering the market due to their lesser carbon footprint and similar physicochemical properties as acetonitrile.

Additionally, acetonitrile use in the petrochemical industry further stimulates market growth. It is fully miscible in water and can diffuse completely with complex compounds

like carbon tetrachloride, chloroform, acetone, ether, ethanol, and ethylene chloride. Therefore, it is used to separate C4-hydrocarbons and olefin-diolefin mixtures. According to the International Energy Agency (IEA), petrochemicals will account for over a third of the growth in oil demand by 2030. Further, petrochemicals will consume 56 billion cubic meters of natural gas by 2030, nearly equal to half of Canada's total gas consumption.

Increasing Demand from Various End-User Industries

Due to its remarkable physical and chemical qualities, including low viscosity and low freezing/boiling point, acetonitrile finds significant application in the pharmaceutical sector as a critical solvent in manufacturing antibiotics and drug recrystallization. One of the primary factors driving the global acetonitrile market is the increasing use of acetonitrile in pharmaceutical and analytical sector applications. As per the European Federation of Pharmaceutical Industries and Associations (EFPIA), In 2021, North America accounted for 49.1% of world pharmaceutical sales compared with 23.4% for Europe. In addition, in 2020, the pharmaceutical industry invested more than USD 39,600 million in R&D in Europe. All these factors are propelling the growth of the market.

Mergers & Acquisitions

Brenntag acquired Matrix Chemical, LLC, a North American solvent distributor and the largest acetone distributor in North America, in 2021. Most of the customer base is in countries such as the United States and Canada. These items are utilized in various industries, including personal care, adhesives, and paint & coatings.

Recent Development's

Recently, scientists and researchers have developed a new process to produce acetonitrile from renewable sources that are sustainable and eco-friendly for the environment. Acetonitrile is made through ethanol ammoxidation and utilizes a lesser amount of ammonia. Ethanol is used as a reactant, as it is easily accessible from the fermentation process and can be used without further purification requirements.

Market Segmentation

Global Acetonitrile Market is segmented based on Type, Applications and Purpose. Based on Type, the market is divided into Derivative Acetonitrile and Solvent Acetonitrile. Based on Application, the market is fragmented into Pharmaceutical, Agrochemical, Butadiene Extraction, Research & Development and Others. Based on Purpose the market is segmented into Reagent, Reaction Solvent, Extraction Solvent, Feedstock.

Market players

Filo Chemical Inc., Neuchem Inc., Continental Industries Group, Sterling Chemicals, Inc.

DuPont de Nemours, Inc., CNPC Jilin Chemical Corp Ltd, Avantor Performance Materials LLC, Imperial Chemical Corporation, Asahi Kasei Medical Company Limited and Nova Molecular Technologies are some of the key players operating in the market.

Report Scope:

In this report, Global Acetonitrile Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Acetonitrile Market, By Type:

Derivative Acetonitrile

Solvent Acetonitrile

Acetonitrile Market, By Application:

Pharmaceutical

Agrochemical

Butadiene Extraction

Research & Development

Others

Acetonitrile Market, By Purpose:

Reagent

Reaction Solvent

Extraction Solvent

Feedstock

Acetonitrile Market, By Region:

Europe

France

Germany

United Kingdom

Sweden

Denmark

Switzerland

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

Australia

South Korea

Middle East and Africa

Saudi Arabia

UAE

Qatar

South America

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Acetonitrile Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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