

## **United Kingdom Water Treatment Chemicals Market Report and Forecast 2025-2034**

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### **Report description:**

The United Kingdom water treatment chemicals market size is projected to grow at a CAGR of 5.10% between 2025 and 2034.

Water treatment chemicals are substances that are added to water to improve its quality, safety, and performance. They are used for various purposes, such as disinfection, coagulation, corrosion inhibition, scale prevention, pH adjustment, and odour control. Water treatment chemicals are widely used in various sectors, such as municipal, industrial, power, oil and gas, mining, and agriculture.

The water treatment chemicals market in the United Kingdom is expected to grow at a significant rate in the coming years, due to several factors. The increasing demand for clean and safe water, the stringent environmental regulations and standards, the rising awareness about water conservation and reuse, the growing industrialisation, and the need to reduce the operational and maintenance costs of water treatment systems are some of the key factors driving the United Kingdom water treatment chemicals market growth.

Additionally, the development of new and innovative water treatment chemicals, such as biodegradable and green chemicals, is also creating new opportunities for the market.

### **Key Trends and Developments**

Increasing demand for biodegradable chemicals, rising adoption of membrane-based technologies, increasing regulation of water quality standards are expected to shape the United Kingdom water treatment chemicals market outlook.

### **United Kingdom Water Treatment Chemicals Market Trends**

The adoption of sustainable and eco-friendly water treatment chemicals by manufacturers is key trend. ChemREADY, a leading provider of chemical treatment solutions offer a KOOL TOWER Series scale inhibitor, which are environmentally engineered water

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treatment chemicals to stop cooling tower corrosion. The use of eco-friendly water treatment chemicals is expected to increase the United Kingdom water treatment chemicals market size as companies focus on reducing their environmental impact and health risks associated with conventional chemicals.

Also, the introduction of water treatment chemicals specifically designed to address emerging contaminants, such as pharmaceutical residues and microplastics are leading to United Kingdom water treatment chemicals market development. The industry is responding via innovating solutions, such as the use of plant-based flocculants, gel-based separation, and innovative materials derived from egg whites, which enhances the removal of microplastics.

Furthermore, the implementation of decentralised water treatment solutions in remote or industrial areas of the country are augmenting the United Kingdom water treatment chemicals market growth. These solutions offers the flexibility needed to ensure a steady supply of portable water, especially in areas facing challenges from unpredictable weather and water shortages.

## Market Segmentation

United Kingdom Water Treatment Chemicals Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

### Market Breakup by Type:

- Coagulants and Flocculants
- Corrosion Inhibitors
- Scale Inhibitors
- Biocides and Disinfectants
- Chelating Agents
- Anti-Foaming Agents
- PH Adjusters and Stabilizers
- Others

### Market Breakup by Application:

- Boiler Water Treatment
- Cooling Water Treatment
- Raw Water Treatment
- Water Desalination
- Others

### Market Breakup by End User:

- Residential
- Commercial
- Industrial

Coagulants and flocculants are further divided based on type into organic coagulants, inorganic coagulants, and flocculants. Corrosion inhibitors can also be categorised into anodic inhibitors and cathodic inhibitors. Scale inhibitors are further divided into phosphonates and carboxylates/acrylic, among others. Lastly, biocides and disinfectants can be classified as oxidizing, non-oxidizing, and disinfectants.

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Coagulants and flocculants hold a significant United Kingdom water treatment chemicals market share due to their effectiveness in removing suspended particles and improving water clarity

As per United Kingdom water treatment chemicals market analysis, coagulants and flocculants chemicals hold a substantial market share due to their effectiveness in removing suspended particles and improving water clarity. Demand for coagulants and flocculants is increasing as they are crucial for the removal of turbidity from water, which is a key test of water quality, as per UK authorities. Moreover, due to the rising focus on reducing the use of conventional chemicals as they impact the environment, many research organisations in the UK are working on developing green flocculants chemicals, which are non-toxic and biodegradable. One such example is Wageningen Food & Biobased Research, which has been working on developing biobased or natural flocculants since 2021. These green chemicals are expected to contribute to the growth of the coagulants and flocculants segment in United Kingdom water treatment chemicals market.

Corrosion inhibitors are chemicals that are used to prevent or reduce the corrosion of metal surfaces in contact with water. They are mainly used in the cooling water systems, boilers, pipelines, and heat exchangers of various industries, such as power generation, oil and gas, chemical, and metal and mining. The corrosion inhibitors segment also accounts for a substantial share of the market due to the increasing need to protect the equipment and infrastructure from corrosion and extend their lifespan.

Biocides and disinfectants, on the other hand, are chemicals that are used to kill or inhibit the growth of microorganisms, such as bacteria, algae, fungi, and viruses, in water. They are mainly used in the disinfection of drinking water, swimming pools, cooling towers, and industrial process water. Biocides and disinfectants segment in the United Kingdom water treatment chemicals market will likely grow due to the increasing demand for hygiene and sanitation, the rising health concerns, and the growing use of non-chlorine biocides.

Industrial sector augments the market expansion as it generates wastewater that contains significant levels of toxic metal impurities

The United Kingdom water treatment chemicals market share is expected to be dominated by the industrial sector, encompassing industries like manufacturing and power generation. Power industry generates wastewater that contains significant levels of toxic metal impurities, such as lead, mercury, arsenic, chromium, and cadmium, among others. These impurities can cause significant damage to environment, if not treated properly, which results in adoption for effective water treatment chemicals. Additionally, the need for high-quality process water to generate electricity fuels the demand for water treatment chemicals in the industrial segment.

Residential segment of the United Kingdom water treatment chemicals market includes the use of water treatment chemicals for domestic purposes, such as drinking, cooking, bathing, and laundry. The main drivers for the residential segment are the increasing urbanisation and the growing awareness on the health benefits of clean water and the risks of waterborne diseases.

According to United Kingdom water treatment chemicals market report, the commercial segment includes the use of water treatment chemicals for non-industrial purposes, such as hospitality, education, healthcare, retail, and public services. This segment is projected to grow due to the increasing demand for water treatment chemicals from the hospitality, healthcare, and education sectors along with the rising standards and regulations on water quality and hygiene.

### Competitive Landscape

Market players are constantly innovating and developing new products and solutions to meet the changing needs and preferences of the customers, as well as to gain a competitive edge in the market

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Other key players in the water treatment chemicals market in United Kingdom include Kemira Oyj, Water Treatment Products Ltd., The SNF Group, VWS (UK) Ltd., Feedwater Ltd, B&V Chemicals, and Solidtek Limited, among others.

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