

# **Sludge Treatment Chemicals Market is estimated to be US\$ 8.57 billion by 2030 with a CAGR of 5.7% during the forecast period**

[Sludge Treatment Chemicals Market](#) accounted for US\$ 4.9 billion in 2020 and is estimated to be US\$ 8.57 billion by 2030 and is anticipated to register a CAGR of 5.7%. Chemical conditioning refers to the chemical pre-treatment of sludge in advance of thickening & dewatering processes. Many sludges are treated using a variety of digestion techniques. The chemical treatment used to reduce the amount of organic matter & the number of disease-causing microorganisms present in the solids. Most common treatment for sludge includes anaerobic digestion, aerobic digestion & composting.

Coagulants are used for solid removal, water clarification, sludge thickening, solids dewatering & lime softening. The chemicals used in sewage treatment plant are chlorine, hydrogen peroxide, sodium chlorite & sodium hypochlorite (bleach) which disinfect, sanitize & assist in the purification of wastewater treatment plants. Sludge conditioning is carried out to aid the removal of water from the solids. Chemical conditioning is achieved through the dosing of sludge with inorganic (mineral) coagulants & organic flocculants. Mineral reagents are used to process mechanical dewatering where as strong floc is preferred to a large, compressible one.

Currently, sewage sludge management is a huge challenge in the field of environmental engineering. New effective solutions led to an improvement of quality of the final effluent but considerably increased the volume of produced sewage sludge, which increases each year.

The report **“Global Sludge Treatment Chemicals Market, By Type (Coagulants, Flocculants, Disinfectants and Others), By End User Industries (Automotive, Oil & Gas, Metal Processing, Food & Beverage, Pulp & Paper, Personal Care & Chemicals, Electronics, and Others) and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2029 “**

## **Key Highlights:**

- In September 14, 2017, New product launch which is cost effective, chemical-free biological sewage treatment for marine applications. Evac Eco Treat uses the submerged fixed-film bacteria principle. The plant has been designed to make operation & maintenance as easy & cost effective as possible, while its compact footprint & low weight means it is suitable for smaller vessels where space restrictions may be tight.
- In May 10, 2022, ChemREADY Announces New Legionella Water Treatment Chemicals and Disinfectant Services to combat the water-borne pathogen in building water systems.

## **Analyst View:**

Chemical sludge treatment helps to reduce the time it take for solid to settle naturally which requires less processing time. This has led to increase in Sludge Treatment Chemicals Market. But chemical sludge treatment also has some disadvantages - due to different composition of the drainage source, continuous dose adjustment may be required. Adding chemicals produces large amounts of sludge that must be treated & disposed off after treatment. The amount and toxicity of sludge can increase disposal costs as it cannot be easily dehydrated. Thus, newly research & development in addition of chemicals is must.

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**Key Market Insights from the report:**

Global Sludge Treatment Chemicals Market accounted for US\$ 4.9 billion in 2020 and is estimated to be US\$ 8.57 billion by 2030 and is anticipated to register a CAGR of 5.7%. Global Sludge Treatment Chemicals Market is segmented based on Type, End-User Industries and region.

- Based on Type, Global Sludge Treatment Chemicals Market is segmented into Coagulants, Flocculants, Disinfectants & Others.
- Based on End User Industries, Global Sludge Treatment Chemicals Market is segmented into Automotive, Oil & Gas, Metal Processing, Food & Beverage, Pulp & Paper, Personal Care & Chemicals, Electronics & Others.
- By region, the Global Sludge Treatment Chemicals Market is segmented into North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

**Competitive Landscape & their strategies of Global Sludge Treatment Chemicals Market:**

The prominent players operating in the Global Sludge Treatment Chemicals Market includes, BASF SE, Chembond Chemicals Limited, GE Water and Process Technologies, Kurita Water Industries Ltd., Kemira Oyj., Thermax Ltd., Akzonobel N.V., Solenis, Veolia Water Technologies etc. and Ecolab Inc.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.