

# **Bromine Derivatives Market Analysis Report By Application (Flame Retardants, Oil & Gas, Organic Intermediates), By Product (Tetrabromobisphenol A, Calcium Bromide), And Segment Forecasts, 2019 - 2025**

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## **Abstracts**

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The global bromine derivatives market size is projected to reach USD 5.11 billion by 2025, according to a new report by Grand View Research, Inc., exhibiting a CAGR of 4.3% during the forecast period. Increasing installations of flame retardant electronics devices in the automotive sector are providing a fillip to the market. Brazil, Mexico, U.S., China, Saudi Arabia, Russia, and Norway have increased their oil & gas exploration activities. In such activities, calcium bromide (CaBr) and Sodium Bromide (NaBr) are used as drilling fluid for extraction of petroleum products. Therefore, the trend will stoke the growth of the market.

Raw material suppliers, product manufacturers, and end users are the part of value chain of the bromine derivatives market. Major manufacturing players in the bromine derivatives market include Albemarle Corporation, Lanxess, Chemtura Corporation, Israel Chemicals Ltd., Gulf Resources, Perekop Bromine, Albemarle Corporation, Sanofi S.A., and Tata Chemicals. To reduce time and costs involved in supply of materials, manufacturing facilities of raw material manufacturers are located in close proximity to bromine deposits.

Hydrobromic acid and calcium bromide are two key derivatives of bromine. Hydrobromic acid is used in the manufacturing of inorganic products such as zinc, sodium, and potassium bromides. Diatomic molecule of hydrogen bromide is dissolved in aqueous

water to prepare the acid.

Calcium bromide is produced by reaction of calcium oxide (CaO), calcium carbonate (CaCO<sub>3</sub>) with hydrobromic acid. It is used in drilling fluids, photography, and oxidizer for mercury emissions control. Apart from uses in flame retardants and oil & gas, bromine derivative applications also include the use of fumigants in perfumes, heavy brines, and other specialty chemicals.

Further key findings from the report suggest:

The global bromine derivatives market volume was estimated at 898.1 kilotons in 2017. It is poised to rise at a CAGR of 3.3% from 2018 to 2025.

Tetrabromobisphenol A accounted for the largest market share of more than one fourth of the overall revenue in 2017. It is mainly used as a reactive component in polymer manufacturing

Major players have adapted technologies that help in having a flexible production model so that they can benefit from existing infrastructure. Several processes are being developed for the manufacture from green chemical to reduce toxicity of end chemicals

Bromine derivatives are majorly available in the form of solids and liquids. They are majorly used in manufacture of flame retardants and drilling fluids

Some of the key participants are Albemarle, Lanxess, and Israel Chemicals Ltd.

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