

Metal Biocides Market Forecast Highlights Strategic Growth Opportunities

Copper is forecast to grow at the highest CAGR of 5.1% due to its increasing use in water treatment for potable water safety.

WILMINGTON, DE, UNITED STATES, August 22, 2025 /EINPresswire.com/ -- According to the study, the global [metal biocides market](#) was valued at \$3.67 billion in 2021 and is projected to reach \$5.87 billion by 2031, registering a CAGR of 4.8% from 2022 to 2031.

Key Growth Drivers:

- Infrastructure expansion in countries such as the U.S., China, Japan, Mexico, and India.
- Widespread use in cosmetics and personal care formulations.
- Rising hygiene awareness boosting demand across healthcare and food sectors.

For more information, contact the publisher at info@alliedmarketresearch.com:

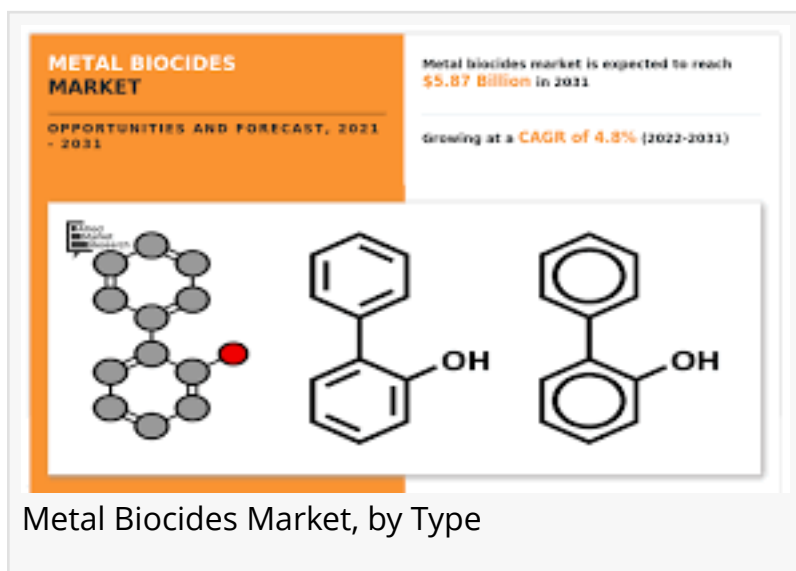
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However, the market faces challenges due to the availability of substitutes such as chelating agents, phenols, isothiazolinones, and alcohols. On the other hand, increasing packaged food consumption driven by higher purchasing power and fast-paced lifestyles is creating new growth opportunities, as metal biocides play a vital role in food safety and preservation.

Segment Insights

By Type:

- Silver accounted for nearly 50% of market share in 2021 and is expected to maintain leadership, driven by rising demand for antimicrobial paints in modern construction.
- Copper is forecast to grow at the highest CAGR of 5.1% due to its increasing use in water treatment for potable water safety.



By Application:

- Paints & Coatings dominated with over one-third share in 2021, supported by growth in construction where biocides prevent bacterial and fungal growth.
- Medical is projected to record the fastest CAGR of 5.4%, fueled by the rising prevalence of hospital-acquired infections (HAIs), including MRSA, which has accelerated demand for sanitization products.

Regional Outlook

- Asia-Pacific led the global market in 2021, contributing nearly 40% of total revenue.
- The region is also expected to witness the fastest CAGR of 5.2% through 2031, driven by the rapid expansion of China's paints & coatings sector and increasing demand for efficient disinfectants and preservatives.
- Other regions covered include North America, Europe, and LAMEA.

Leading Market Players:

- Pilot Chemical Corp.
- KLK OLEO
- Azelis
- OTTO CHEMIE PVT. LTD.
- Dadia Chemical Industries
- Samrat Industries
- Troy Corporation
- Siddharth Chemicals
- BASF SE
- Evonik Industries AG

For more information on this report, please visit our website:

<https://www.alliedmarketresearch.com/metal-biocides-market/purchase-options>

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