

# Global Antimony Market Outlook 2027

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## Abstracts

Antimony or Sb usually exists in metalloid or non-metalloid form with atomic number 51, which commonly occurs in a brittle, metallic, silvery-white crystalline form and is predominantly used in alloys semiconductors, and flame retardant substances. According to BlueQuark Research & Consulting, the Global Antimony market is expected to witness a significant growth rate during the forecasted period. The increasing use of Antimony as the chemical in fire retardants for fire resistance in plastic, rubber, and fabric prevents the materials from bursting into flames, expected to drive the Global Antimony Market. Further, increasing the use of Antimony for lead batteries and lead alloys to produce energy storage and fabrications of high-quality sheets in the manufacture of lead batteries helps prevent corrosion is expected to drive the Global AntimonyMarket. Furthermore, the increasing use of Antimony in the Ceramics & Glass industry to produce the white gaze necessary for making ceramic wares such as vases, dinner sets, etc., which provides excellent mechanical strength, is also projected to drive the global market. However, exposure to antimony leads to serious health hazards, including breathing disorders, skin irritation, and lung cancer, and leads to several environmental hazards that are expected to hinder the market growth. Antimony is used for manufacturing flame retardants, plastic additives, rubber, fabric, lead batteries, lead alloys and used in the manufacture of ceramics & glass industry such as vases, dinner sets, as well as used in electric vehicles and semiconductor devices such as infrared detectors, diodes, low friction metals, flameproofing materials, ceramic enamels, and paints.

The Flame Retardant is the prime consumer of Antimony and is projected to drive the global Antimony market. Fire retardant plastic additives such as Antimony are added to plastics to inhibit, suppress or delay combustion. Therefore, it is necessary to add flame retardant plastic additives to meet governmental, and industry regulatory standards, the use of Antimony is bound to rise. According to theMalaysian Rubber Council, the total exports of rubber products have exceptional growth of 76% contributed by the surge in

global demand for protective equipment including rubber gloves. The overall rubber products industry contributed almost 5% to Malaysia's total export in 2020. The addition of flame blocking ingredients in rubber gloves, such as Antimony Trioxide is widely used for effective fire resistance, has made the demand for the Antimony Market. Fire Retardant is applied to both natural and synthetic fibers, treated with Antimony. When a fire occurs, the chemical coated on the fabric reacts with gases and tars, which ultimately slows down the burning of the fabric, which has made the demand of industry shoot, thus driving the Global Antimony Market. Therefore all these factors have increased the need for Antimony as an efficient fire retardant is expected to grow and drive the overall market in the future.

The Asia-Pacific region is poised to be the leader in the production and the subsequent consumption of Antimony, with most of the consumption in countries like China and India. There is a massive rise in the growing fire & safety regulation in both private and commercial spaces. Other places like schools and offices are pushing greater use for Antimony in the Asia-Pacific region, accounting for the significant consumption of Antimony. Factors include rapid urbanization and the increase in the demand for electric vehicles in which lead batteries are used. Antimony can be extracted from lead batteries and reused, the use of Antimony is also increasing day by day, which increases the demand for Antimony in the Global Market. The glass and ceramics use Antimony as a decolorizing and finishing agent to clarify glasses and as a stabilizing agent in ceramics production, increasing the demand for Antimony in the market. Due to rapid industrialization, the increasing demand for polyethylene terephthalate (PET) packaging manufactured using Antimony as a critical ingredient is projected to drive the Antimony market. Factors like these have made Asia-Pacific an essential scope for the global Antimony market.

In January 2021, the University of York raised the prospect of engineering high-performance self-healing material that could reduce costs and improve scalability. The substance used is antimony selenide.

In May 2021, Scientists from South Ural State University have examined the reaction of pentaphenyl antimony with several acids. The product obtained from the experiment is a photocatalyst for water treatment and can also be used in medicine.

Some of the market's key players are Advanced Metallurgical Group NV, American Elements, United States Antimony Corporation, Belmont Metals Inc, Umicore N.V., among others.

Global Antimony Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Antimony market by segmenting based on the By Product Type (Antimony Pentoxide, Antimony Trioxide, Alloy, Others), By Application (Flame Retardent, Lead Acid Batteries, Glass & Ceramics, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

## Contents

### 1. Executive Summary

### 2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

### 3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
  - 3.2.1 Drivers
  - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Feedstock Analysis
- 3.6 Trade Scenario
- 3.7 Price Trend Analysis
- 3.8 Regulatory Policies
- 3.9 Analysis of Covid-19 Impact

### 4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
  - 4.2.1 Competition in the Industry
  - 4.2.2 Potential of New Entrants into the Industry
  - 4.2.3 Bargaining Power of Suppliers
  - 4.2.4 Bargaining Power of Consumers
  - 4.2.5 Threat of substitute products

### 5. Market Segmentation & Forecast

## 5.1 By Product Type

5.1.1 Antimony Pentoxide

5.1.2 Antimony Trioxide

5.1.3 Alloy

5.1.4 Others

## 5.2 By Application

5.2.1 Flame Retardant

5.2.2 Lead Acid Batteries

5.2.3 Glass & Ceramics

5.2.4 Others

## **Regional Market Analysis**

### 6.1 North America

6.1.1 United States

6.1.2 Canada

6.1.3 Mexico

### 6.2 Europe

6.2.1 United Kingdom

6.2.2 Germany

6.2.3 Italy

6.2.4 France

6.2.5 Russia

6.2.6 Nordic Countries

6.2.7 Rest of Europe

### 6.3 Asia-Pacific

6.3.1 China

6.3.2 India

6.3.3 Japan

6.3.4 South Korea

6.3.5 ASEAN Countries

6.3.6 Rest of Asia-Pacific

### 6.4 South America

6.4.1 Brazil

6.4.2 Argentina

6.4.3 Rest of South America

### 6.5 Middle East & Africa

6.5.1 South Africa

6.5.2 Saudi Arabia

### **Company Profiles**

Advanced Metallurgical Group NV

American Elements

United States Antimony Corporation

Mont Metals Inc

Core N.V.

Sea Zinc Co. Ltd

Chang Antimony Industry Co. Ltd

Shan Seiko Co. Ltd

ProMining Ltd

Cyclex

Stage Main Reef Ltd

Yanfeng Antimony Industry Co Ltd

CodeX Minerals Ltd

China Tin Co Ltd

Yili Antimony Industry

*companies is not exhaustive*

### **Competitive Landscape**

List of Notable Players in the Market

Acquisitions, JV, and Agreements

Market Share Analysis

Strategies of Key Players

### **Conclusions and Recommendations**

Tables & Figures

Appendices

Disclaimer

Other

## List Of Tables

### LIST OF TABLES

Global Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

North America Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

United States Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Canada Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Mexico Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Europe Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Other Supporting Charts

United Kingdom Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Germany Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Italy Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

France Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Russia Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Nordic Countries Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Rest of Europe Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

South America Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Brazil Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Argentina Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Rest of South America Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Asia-Pacific Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

China Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

India Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Japan Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

South Korea Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

ASEAN Countries Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Rest of Asia-Pacific Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Middle East & Africa Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Saudi Arabia Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

South Africa Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Rest of Middle-East & Africa Antimony Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Flame Retardant - Antimony Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Lead Acid Batteries - Antimony Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Glass & Ceramics - Antimony Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Others - Antimony Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027



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