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ANTIMONOUS OXIDE (CAS 1309-64-4) Market Research Report 2026

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Abstracts

ANTIMONOUS OXIDE (CAS 1309-64-4) Market Research Report 2026 presents comprehensive data on ANTIMONOUS OXIDE markets globally and regionally (Europe, Asia, North America etc.)

The report includes ANTIMONOUS OXIDE description, covers its application areas and related patterns. It overviews ANTIMONOUS OXIDE market, names ANTIMONOUS OXIDE producers and indicates its suppliers.

Besides, the report provides ANTIMONOUS OXIDE prices in regional markets.

In addition to the above the report determines ANTIMONOUS OXIDE consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

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capacities and production

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ANTIMONOUS OXIDE (CAS 1309-64-4) Market Research Report 2026 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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Contents

1. ANTIMONOUS OXIDE (CAS 1309-64-4)

1.1. General information, synonyms
1.2. Composition, chemical structure
1.3. Safety information
1.4. Hazards identification
1.5. Handling and storage
1.6. Toxicological & ecological information
1.7. Transport information

2. ANTIMONOUS OXIDE APPLICATIONS

2.1. ANTIMONOUS OXIDE application spheres, downstream products

3. ANTIMONOUS OXIDE MANUFACTURING METHODS

4. ANTIMONOUS OXIDE PATENTS

Abstract
Description
Summary of the invention
Detailed description of the invention

5. ANTIMONOUS OXIDE MARKET WORLDWIDE

5.1. General ANTIMONOUS OXIDE market situation, trends
5.2. Manufacturers of ANTIMONOUS OXIDE
- Europe
- Asia
- North America
- Other regions
5.3. ANTIMONOUS OXIDE suppliers (importers, local distributors)
- Europe
- Asia
- North America
- Other regions

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5.4. ANTIMONOUS OXIDE market forecast

6. ANTIMONOUS OXIDE MARKET PRICES

6.1. ANTIMONOUS OXIDE prices in Europe
6.2. ANTIMONOUS OXIDE prices in Asia
6.3. ANTIMONOUS OXIDE prices in North America
6.4. ANTIMONOUS OXIDE prices in other regions

7. ANTIMONOUS OXIDE END-USE SECTOR

7.1. ANTIMONOUS OXIDE market by application sphere
7.2. ANTIMONOUS OXIDE downstream markets trends and prospects

*Please note that ANTIMONOUS OXIDE (CAS 1309-64-4) Market Research Report 2026 is a half ready publication and contents are subject to change. It only requires updating with the help of new data that are constantly retrieved from Publisher's databases and other sources. This updating process takes 5-7 business days after order is placed. Thus, our clients always obtain a revised and updated version of each report. Please also note that we do not charge for such an updating procedure. BAC Reports has information for more than 25,000 different chemicals available but it is impossible to have all reports updated immediately. That is why it takes 5-7 days to update a report after an order is received.

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About

Product Name:	ANTIMONOUS OXIDE
Synonyms:	
	High Purity Grade Antimony Trioxide
	Antimony(III) Oxide
	Antimony trioxide
	Diantimony trioxide
	Flame Retardant
	Sell-Jiefu Antimony Trioxide
CAS#:	1309-64-4
Formula:	O_3Sb_2
Molecular Weight:	291.52

Antimony(III) oxide (antimony trioxide, diantimony trioxide, dioxodistiboxane) is the most widely produced inorganic compound of antimony, with the formula O_3Sb_2. Like most polymeric oxides, antimony trioxide dissolves in aqueous solutions only with hydrolysis.

Antimony trioxide can be found in nature as the minerals valentinite and senarmontite, or it can be human-made – mainly from stibnite ores (antimony trisulfide) or as a by-product of lead smelting and production.

The key application of antimony trioxide is for flame retardants in combination with halogenated materials. To achieve the same amount of fire protection, only half as much halogen is needed in case the antimony synergist is included. Such flame retardants are found in electrical apparatus, textiles, leather, and coatings.

Antimony trioxide is a useful catalyst in the manufacture of polyethylene terephthalate (PET plastic). Antimony trioxide used for this purpose is usually of higher purity than the product used for glass or flame retardants. There are other choices that work better as catalysts, however, but they are prohibitively expensive.

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Antimony oxide also finds application in the glass industry as a clarifying agent. The product is added during the meltdown process to remove any undesired bubbles, inclusions or color.

Because it is a white powder, antimony trioxide is often used as an opacifier for the porcelain and enamel industries. Antimony trioxide is also used as a chemical intermediate for the production of other antimony compounds. It is used as a phosphorescent agent in fluorescent light bulbs. The product is added to fluid lubricants to increase stability, as well as to molybdenum disulfide to decrease friction and wear.

China takes the lead in antimony trioxide production globally, although countries like the US, Mexico, South Africa, Bolivia, Russia, Europe and Japan also make it.

Antimony(III) oxide market is covered in the study Antimony(III) Oxide (CAS 1309-64-4) Market Research Report 2012. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks antimony(III) oxide market situation, names manufacturers, suppliers as well as users. The report also provides current antimony(III) oxide prices in the market.

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